

KINASE PROFILING TARGET LIST

SignalChem Kinase Target List	Species	GenBank ID	Test Concentrations	
			IC50	Single
1 AAK1, Active	Human	BC002695	○	×
2 ABL1 (E255K), Active	Human	NM_005157	○	○
3 ABL1 (E255V), Active	Human	NM_005157	○	○
4 ABL1 (F317I), Active	Human	NM_005157	○	○
5 ABL1 (F317L), Active	Human	NM_005157	○	○
6 ABL1 (G250E), Active	Human	NM_005157	○	×
7 ABL1 (H396P), Active	Human	NM_005157	○	○
8 ABL1 (M351T), Active	Human	NM_005157	○	○
9 ABL1 (Q252H), Active	Human	NM_005157	○	×
10 ABL1 (T315I), Active	Human	NM_005157	○	×
11 ABL1 (V299L), Active	Human	NM_005157	○	○
12 ABL1 (Y253F), Active	Human	NM_005157	○	○
13 ABL1 (Y253H), Active	Human	NM_005157	○	○
14 ABL1, Active	Mouse	NM_009594	○	○
15 ABL1, Active	Human	NM_005157	○	×
16 ABL2, Active	Human	NM_005158	○	○
17 ACK, Active	Human	NM_005781	○	○
18 AKT1 (E17K), Active	Human	NM_005163	○	○
19 AKT1, Active	Human	NM_005163	○	○
20 AKT2 (E17K), Active	Human	NM_001626	○	○
21 AKT2 (R274H), Active	Human	NM_001626	○	×
22 AKT2, Active	Human	NM_001626	○	○
23 AKT3 (E17K), Active	Human	NM_005465	○	○
24 AKT3 (G171R), Active	Human	NM_005465	○	○
25 AKT3, Active	Human	NM_005465	○	○
26 ALK (G1156Y), Active	Human	NM_004304	○	×
27 ALK (F1174L), Active	Human	NM_004304	○	○
28 ALK (F1174S), Active	Human	NM_004304	○	○
29 ALK (G1202R), Active	Human	NM_004304	○	×
30 ALK (G1269A), Active	Human	NM_004304	○	×
31 ALK (G1269S), Active	Human	NM_004304	○	○
32 ALK (L1152R), Active	Human	NM_004304	○	×
33 ALK (L1196M G1202R), Active	Human	NM_004304	○	×
34 ALK (L1196M), Active	Human	NM_004304	○	○
35 ALK (R1275Q), Active	Human	NM_004304	○	○
36 ALK (S1206R), Active	Human	NM_004304	○	○
37 ALK (T1151_L1152insT), Active	Human	NM_004304	○	×
38 ALK (T1151M), Active	Human	NM_004304	○	×
39 ALK, Active	Human	NM_004304	○	○
40 ALK1, Active	Human	NM_000020	○	○
41 ALK2 (G328E), Active	Human	NM_001105	○	×
42 ALK2 (G328V), Active	Human	NM_001105	○	×
43 ALK2 (G328W), Active	Human	NM_001105	○	×
44 ALK2 (G356D), Active	Human	NM_001105	○	×
45 ALK2 (PF197_198L), Active	Human	NM_001105	○	×
46 ALK2 (Q207D), Active	Human	NM_001105	○	×
47 ALK2 (Q207E), Active	Human	NM_001105	○	○
48 ALK2 (R202I), Active	Human	NM_001105	○	×
49 ALK2 (R206H), Active	Human	NM_001105	○	×
50 ALK2 (R258G), Active	Human	NM_001105	○	×
51 ALK2, Active	Human	NM_001105	○	×
52 ALK3 (BMPR1A), Active	Human	NM_004329	○	×
53 ALK3 (Q233D), Active	Human	NM_004329	○	×
54 ALK3 (R486Q), Active	Human	NM_004329	○	×
55 ALK4, Active	Human	NM_004302	○	○
56 ALK6 (BMPR1B), Active	Human	NM_001203	○	○
57 AMPK (A1/B1/G1), Active	Human	NM_006251 ,NM_006253 ,NM_002733	○	○
58 AMPK (A1/B1/G2), Active	Human	NM_006251 ,NM_006253 ,NM_001040633	○	○
59 AMPK (A1/B1/G3), Active	Human	NM_006251 ,NM_006253 ,NM_017431	○	○
60 AMPK (A1/B2/G1), Active	Human	NM_006251 ,NM_005399 ,NM_002733	○	○
61 AMPK (A1/B2/G2), Active	Human	NM_006251 ,NM_005399 ,NM_001040633	○	○
62 AMPK (A1/B2/G3), Active	Human	NM_006251 ,NM_005399 ,NM_017431	○	○
63 AMPK (A2/B1/G1), Active	Human	NM_006252 ,NM_006253 ,NM_002733	○	○
64 AMPK (A2/B1/G2), Active	Human	NM_006252 ,NM_006253 ,NM_001040633	○	○
65 AMPK (A2/B1/G3), Active	Human	NM_006252 ,NM_006253 ,NM_017431	○	○
66 AMPK (A2/B2/G1), Active	Human	NM_006252 ,NM_005399 ,NM_002733	○	○
67 AMPK (A2/B2/G1), Active	Human	NM_178143 ,NM_182997 ,NM_016781	○	×
68 AMPK (A2/B2/G2), Active	Human	NM_006252 ,NM_005399 ,NM_001040633	○	○
69 AMPK (A2/B2/G3), Active	Human	NM_006252 ,NM_005399 ,NM_017431	○	○
70 AMPK(A1/B2/G1), Active	Human	NM_001013367 ,NM_182997 ,NM_016781	○	×
71 ANKK1 (SGK288), Active	Human	NM_178510	○	×

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				IC50	Single
72	ANXA4-PKN1(Aex2Pex13), Active	Human	NM_001153 ,NM_002741	○	○
73	ASK1, Active	Human	NM_005923	○	○
74	ASK3, Active	Human	NM_001001671	○	×
75	AURORA A, Active	Human	NM_011497	○	○
76	AURORA B (G160L), Active	Human	NM_004217	○	○
77	AURORA B, Active	Human	NM_004217	○	○
78	AURORA C, Active	Human	NM_003160	○	○
79	AXL (R499C), Active	Human	NM_021913	○	×
80	AXL, Active	Human	NM_021913	○	○
81	BCR-RET, Active	Human	BC066122 ,NM_020630	○	○
82	BLK, Active	Human	BC007371	○	○
83	BMP2K, Active	Human	NM_080708	○	×
84	BMPR2, Active	Human	NM_001204	○	○
85	BMX, Active	Human	NM_001721	○	○
86	BMX, Active	Human	NM_001109016	○	×
87	BRAF (d485-489 P490Y), Active	Human	NM_004333	○	×
88	BRAF (G464V), Active	Human	NM_004333	○	○
89	BRAF (G469A), Active	Human	NM_004333	○	×
90	BRAF (K601E), Active	Human	NM_004333	○	○
91	BRAF (L597V), Active	Human	NM_004333	○	○
92	BRAF (R506_K507insVLR), Active	Human	NM_004333	○	×
93	BRAF (T599_V600insT), Active	Human	NM_004333	○	×
94	BRAF (V600A), Active	Human	NM_004333	○	○
95	BRAF (V600D), Active	Human	NM_004333	○	×
96	BRAF (V600E), Active	Human	NM_004333	○	○
97	BRAF (V600K), Active	Human	NM_004333	○	○
98	BRAF, Active	Human	NM_004333	○	○
99	BRK, Active	Human	NM_005975	○	○
100	BRSK1, Active	Human	NM_001003920	○	○
101	BRSK2, Active	Human	NM_003957	○	○
102	BTK (C481F), Active	Human	NM_000061	○	×
103	BTK (C481R), Active	Human	NM_000061	○	×
104	BTK (C481S), Active	Human	NM_000061	○	×
105	BTK (P190K), Active	Human	NM_000061	○	○
106	BTK (T474I), Active	Human	NM_000061	○	×
107	BTK (Y485F), Active	Human	NM_000061	○	×
108	BTK, Active	Human	NM_000061	○	○
109	BTK, Active	Human	NM_001007798	○	×
110	BUB1B, Active	Human	NM_001211	○	×
111	CAMK1 beta, Active	Human	NM_012040	○	○
112	CAMK1 delta, Active	Human	NM_153498	○	○
113	CAMK1 gamma, Active	Human	NM_020439	○	○
114	CAMK1, Active	Human	NM_133926	○	○
115	CAMK2 alpha, Active	Human	NM_171825	○	○
116	CAMK2 beta, Active	Human	NM_172081	○	○
117	CAMK2 delta, Active	Human	NM_172115	○	○
118	CAMK2 gamma, Active	Human	NM_172169	○	○
119	CAMK4, Active	Human	NM_001744	○	○
120	CAMKK1, Active	Human	NM_032294	○	○
121	CAMKK1, Active	Human	L42810	○	×
122	CAMKK2, Active	Human	NM_172226	○	○
123	CASK, Active	Human	NM_003688	○	×
124	CDC42BPG (DMPK2), Active	Human	NM_017525	○	○
125	CDC7/DBF4, Active	Human	NM_003503 ,NM_006716	○	○
126	CDK1/CyclinA1, Active	Human	NM_001786 ,BC036346	○	○
127	CDK1/CyclinA2, Active	Human	NM_001786 ,NM_001237	○	○
128	CDK1/CyclinB1, Active	Human	NM_001786 ,NM_031966	○	○
129	CDK12/CyclinK, Active	Human	NM_015083	○	×
130	CDK2/CyclinA1, Active	Human	NM_001798 ,BC036346	○	○
131	CDK2/CyclinA2, Active	Human	NM_001798 ,NM_001237	○	○
132	CDK2/CyclinE1, Active	Human	NM_001798 ,NM_001238	○	○
133	CDK2/CyclinE2, Active	Human	NM_001798 ,NM_057749	○	○
134	CDK2/CyclinO, Active	Human	NM_001798 ,NM_021147	○	○
135	CDK3/CyclinE1, Active	Human	NM_001258 ,NM_001238	○	○
136	CDK3/CyclinE2, Active	Human	NM_001258 ,NM_057749	○	○
137	CDK4/CyclinD1, Active	Human	NM_000075 ,NM_053056	○	○
138	CDK4/CyclinD3, Active	Human	NM_000075 ,NM_001760	○	○
139	CDK5/p25, Active	Human	NM_004935 ,NM_003885	○	○
140	CDK5/p35, Active	Human	NM_004935 ,NM_003885	○	○
141	CDK6/CyclinD1, Active	Human	NM_001259 ,NM_053056	○	○
142	CDK6/CyclinD3, Active	Human	NM_001259 ,NM_001760	○	○

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			IC50	Single
143 CDK7/CyclinH1, Active	Human	NM_001799 ,NM_001239	○	○
144 CDK7/CyclinH1/MNAT1, Active	Human	NM_001799 ,NM_001239 ,NM_002431	○	×
145 CDK9/CyclinK, Active	Human	NM_001261 ,BC015935	○	○
146 CDK9/CyclinT1, Active	Human	NM_001261 ,NM_001240	○	×
147 CDK9/CyclinT2, Active	Human	NM_001261 ,NM_001241	○	○
148 CHK1, Active	Human	NM_001274	○	○
149 CHK2, Active	Human	NM_007194	○	○
150 CK1 alpha 1, Active	Human	NM_001892	○	○
151 CK1 alpha 1L, Active	Human	BC028723	○	○
152 CK1 delta, Active	Human	NM_001893	○	○
153 CK1 epsilon (R178C), Active	Human	NM_001894	○	○
154 CK1 epsilon, Active	Human	NM_001894	○	○
155 CK1 gamma 1, Active	Human	NM_022048	○	○
156 CK1 gamma 2, Active	Human	NM_001319	○	○
157 CK1 gamma 3, Active	Human	NM_001031812	○	○
158 CK2 alpha 1, Active	Human	NM_001895	○	○
159 CK2 alpha 2, Active	Human	NM_001896	○	○
160 c-KIT (A829P), Active	Human	NM_000222	○	×
161 c-KIT (d557-558), Active	Human	NM_000222	○	×
162 c-KIT (D816E), Active	Human	NM_000222	○	○
163 c-KIT (D816F), Active	Human	NM_000222	○	○
164 c-KIT (D816H), Active	Human	NM_000222	○	×
165 c-KIT (D816I), Active	Human	NM_000222	○	×
166 c-KIT (D816V), Active	Human	NM_000222	○	○
167 c-KIT (D816Y), Active	Human	NM_000222	○	○
168 c-KIT (D820E), Active	Human	NM_000222	○	×
169 c-KIT (D820Y), Active	Human	NM_000222	○	×
170 c-KIT (K642E), Active	Human	NM_000222	○	×
171 c-KIT (L576P), Active	Human	NM_000222	○	×
172 c-KIT (N822K), Active	Human	NM_000222	○	○
173 c-KIT (T670E), Active	Human	NM_000222	○	○
174 c-KIT (T670I), Active	Human	NM_000222	○	×
175 c-KIT (V559A), Active	Human	NM_000222	○	○
176 c-KIT (V559D T670I), Active	Human	NM_000222	○	○
177 c-KIT (V559D V654A), Active	Human	NM_000222	○	×
178 c-KIT (V559D), Active	Human	NM_000222	○	○
179 c-KIT (V560G D816V), Active	Human	NM_000222	○	○
180 c-KIT (V560G N822K), Active	Human	NM_000222	○	×
181 c-KIT (V560G), Active	Human	NM_000222	○	×
182 c-KIT (V654A), Active	Human	NM_000222	○	×
183 c-KIT (Y823D), Active	Human	NM_000222	○	×
184 c-KIT, Active	Human	NM_000222	○	○
185 CLK1, Active	Human	NM_004071	○	○
186 CLK2, Active	Human	NM_003993	○	○
187 CLK3, Active	Human	NM_003992	○	○
188 CLK4, Active	Human	NM_020666	○	○
189 c-MER (A708S), Active	Human	NM_006343	○	○
190 c-MER, Active	Human	NM_006343	○	○
191 c-MER, Active	Human	NM_008587	○	×
192 COT, Active	Human	NM_005204	○	×
193 GSK, Active	Human	NM_004383	○	○
194 DAPK1, Active	Human	NM_004938	○	○
195 DAPK2, Active	Human	NM_014326	○	○
196 DAPK3, Active	Human	NM_001348	○	○
197 DCAMKL1, Active	Human	NM_004734	○	○
198 DCAMKL2, Active	Human	NM_001040261	○	○
199 DDR1 (S496A), Active	Human	NM_001954	○	×
200 DDR1, Active	Human	NM_001954	○	○
201 DDR2 (T654M), Active	Human	NM_006182	○	×
202 DDR2, Active	Human	NM_006182	○	○
203 DGKA, Active	Human	NM_001345	○	×
204 DGKA, Active	Human	NM_080787	○	×
205 DGKB, Active	Human	NM_004080	○	×
206 DGKD, Active	Human	NM_003648	○	×
207 DGKE, Active	Human	NM_003647	○	×
208 DGKG, Active	Human	NM_001080744.1	○	×
209 DGKG, Active	Human	NM_001080744.2	○	×
210 DGKG, Active	Human	NM_001346.3	○	×
211 DGKH, Active	Human	NM_178009.5	○	×
212 DGKI, Active	Human	NP_004708.1	○	×
213 DGKK Active	Human	NP_001013764.1.	○	×

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				IC50	Single
214	DGKK, Active	Human	NP_001013764.1	○	×
215	DGKQ, Active	Human	NM_001347	○	×
216	DGKZ, Active	Human	NM_003646	○	×
217	DLK, Active	Human	NM_006301	○	×
218	DMPK, Active	Human	NM_004409	○	○
219	DNAJB1-PRKACA, Active	Human	NM_006145 ,NM_002730	○	×
220	DRAK1 (STK17A), Active	Human	NM_004760	○	○
221	DRAK2 (STK17B), Active	Human	NM_004226	○	○
222	DTYMK, Active	Human	NM_012145	○	×
223	DYRK1A, Active	Human	Q63470-2	○	○
224	DYRK1B, Active	Human	BC018751	○	○
225	DYRK2, Active	Human	NM_006482	○	○
226	DYRK3, Active	Human	NM_001004023	○	○
227	DYRK4, Active	Human	NM_003845	○	○
228	EEF2K, Active	Human	NM_013302	○	○
229	EGFR (A763_Y764insFHEA), Active	Human	NM_005228	○	×
230	EGFR (A763_Y764insFQEA), Active	Human	NM_005228	○	×
231	EGFR (A767-S768insTLA), Active	Human	NM_005228	○	×
232	EGFR (C775S T790M L858R), Active	Human	NM_005228	○	×
233	EGFR (C797G L858R), Active	Human	NM_005228	○	×
234	EGFR (C797S L858R), Active	Human	NM_005228	○	○
235	EGFR (C797S), Active	Human	NM_005228	○	○
236	EGFR (d746), Active	Human	NM_005228	○	×
237	EGFR (d746-750 C775S T790M L858R), Active	Human	NM_005228	○	○
238	EGFR (d746-750 C797A), Active	Human	NM_005228	○	○
239	EGFR (d746-750 C797G), Active	Human	NM_005228	○	×
240	EGFR (d746-750 C797S), Active	Human	NM_005228	○	○
241	EGFR (D746-750 G724S), Active	Human	NM_005228	○	×
242	EGFR (d746-750 S768I), Active	Human	NM_005228	○	×
243	EGFR (d746-750 T790M C797S L858R), Active	Human	NM_005228	○	×
244	EGFR (d746-750 T790M C797S), Active	Human	NM_005228	○	○
245	EGFR (d746-750 T790M L798I), Active	Human	NM_005228	○	×
246	EGFR (d746-750 T790M L858R), Active	Human	NM_005228	○	○
247	EGFR (d746-750 T790M), Active	Human	NM_005228	○	○
248	EGFR (d746-750), Active	Human	NM_005228	○	×
249	EGFR (d747-749 A750P), Active	Human	NM_005228	○	×
250	EGFR (d747-749), Active	Human	NM_005228	○	○
251	EGFR (d747-752 P753S), Active	Human	NM_005228	○	×
252	EGFR (d752-759), Active	Human	NM_005228	○	×
253	EGFR (D761Y), Active	Human	NM_005228	○	○
254	EGFR (D770_N771insGF) Protein	Human	NM_005228	○	×
255	EGFR (D770_N771insNPG), Active	Human	NM_005228	○	○
256	EGFR (D770GY), Active	Human	NM_005228	○	○
257	EGFR (D770GY), Active	Human	NM_005228	○	×
258	EGFR (G719C), Active	Human	NM_005228	○	○
259	EGFR (G719D), Active	Human	NM_005228	○	×
260	EGFR (G719S), Active	Human	NM_005228	○	○
261	EGFR (H773_V774insAH) Protein	Human	NM_005228	○	×
262	EGFR (H773_V774insH) Protein	Human	NM_005228	○	×
263	EGFR (K716A C797S L858R), Active	Human	NM_005228	○	×
264	EGFR (K716A T790M C797S L858R), Active	Human	NM_005228	○	○
265	EGFR (K716A), Active	Human	NM_005228	○	×
266	EGFR (K716Q L718Q), Active	Human	NM_005228	○	×
267	EGFR (K728A T790M C797S L858R), Active	Human	NM_005228	○	×
268	EGFR (K728A), Active	Human	NM_005228	○	×
269	EGFR (L718Q C797S L858R), Active	Human	NM_005228	○	×
270	EGFR (L718Q L858R), Active	Human	NM_005228	○	×
271	EGFR (L718Q T790M L858R), Active	Human	NM_005228	○	×
272	EGFR (L718Q), Active	Human	NM_005228	○	×
273	EGFR (L747S), Active	Human	NM_005228	○	○
274	EGFR (L792F L858R), Active	Human	NM_005228	○	×
275	EGFR (L792F), Active	Human	NM_005228	○	×
276	EGFR (L792H C797S L858R), Active	Human	NM_005228	○	×
277	EGFR (L792H L858R), Active	Human	NM_005228	○	×
278	EGFR (L792H), Active	Human	NM_005228	○	×
279	EGFR (L858R), Active	Human	NM_005228	○	○
280	EGFR (L861Q), Active	Human	NM_005228	○	○
281	EGFR (N771-P772insH), Active	Human	NM_005228	○	×
282	EGFR (P772_H773insNPH), Active	Human	NM_005228	○	×
283	EGFR (R999A), Active	Human	NM_005228	○	×
284	EGFR (T790M C797G L858R), Active	Human	NM_005228	○	×

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				IC50	Single
285	EGFR (T790M C797S L858R R999A), Active	Human	NM_005228	○	×
286	EGFR (T790M C797S L858R), Active	Human	NM_005228	○	○
287	EGFR (T790M C797S), Active	Human	NM_005228	○	○
288	EGFR (T790M L792F C797S L858R), Active	Human	NM_005228	○	×
289	EGFR (T790M L792F L858R), Active	Human	NM_005228	○	○
290	EGFR (T790M L792H C797S L858R), Active	Human	NM_005228	○	×
291	EGFR (T790M L792H L858R), Active	Human	NM_005228	○	○
292	EGFR (T790M L858R), Active	Human	NM_005228	○	○
293	EGFR (T790M), Active	Human	NM_005228	○	×
294	EGFR (V769-D770insGE), Active	Human	NM_005228	○	○
295	EGFR (C797A), Active	Human	NM_005228	○	○
296	EGFR, Active	Human	NM_005228	○	○
297	EIF2AK1 (HR1), Active	Human	NM_014413	○	○
298	EIF2AK2, Active	Human	NM_002759	○	○
299	EIF2AK3, Active	Human	NM_004836	○	○
300	EIF2AK4 (GCN2), Active	Human	NM_001013703	○	○
301	EML4-ALK (Eex13Aex20), Active	Human	AB274722	○	×
302	EML4-ALK (Eex14Aex20), Active	Human	NM_019063 ,NM_004304	○	×
303	EML4-ALK (Eex20Aex20), Active	Human	NM_019063 ,NM_004304	○	×
304	EML4-ALK (Eex6Aex20), Active	Human	NM_019063 ,NM_004304	○	×
305	EPHA1, Active	Human	NM_023580	○	○
306	EPHA1, Active	Human	NM_005232	○	×
307	EPHA2, Active	Human	NM_004431	○	○
308	EPHA3, Active	Human	BC063282	○	○
309	EPHA4, Active	Human	NM_004438	○	○
310	EPHA6, Active	Human	NM_001080448	○	○
311	EPHA7, Active	Human	BC026153	○	○
312	EPHB1, Active	Human	NM_173447	○	○
313	EPHB2, Active	Human	NM_004442	○	○
314	EPHB3, Active	Human	NM_004443	○	○
315	EPHB4, Active	Human	NM_004444	○	○
316	ERK1, Active	Human	NM_002746	○	○
317	ERK2, Active	Human	NM_002745	○	○
318	ERK3 (MAPK6), Active	Human	NM_002748	○	×
319	ERK5, Active	Human	NM_139033	○	○
320	ERK7 (MAPK15), Active	Human	BC048082	○	○
321	ERN1 (IRE1), Active	Human	NM_001433	○	○
322	ERN1 (IRE1), Active	Human	NM_023913	○	×
323	ERN1 (R727A R728A), Active	Human	NM_001433	○	×
324	ERN1 (R727A), Active	Human	NM_001433	○	○
325	ERN1 (R728A), Active	Human	NM_001433	○	○
326	ERN2 (IRE2), Active	Human	NM_033266	○	○
327	FAK, Active	Human	NM_153831	○	○
328	FAK, Active	Human	BC035404	○	×
329	FAM131B-BRAF (Fex2Bex9), Active	Human	BC050543 ,NM_004333	○	○
330	FAM20C, Active	Human	BC040074	○	×
331	FASTK, Active	Human	NM_006712	○	×
332	FER, Active	Human	NM_001037997	○	○
333	FES, Active	Human	NM_002005	○	○
334	FGFR1 (FLT2), Active	Human	NM_023110	○	○
335	FGFR1 (V561M), Active	Human	NM_023110	○	○
336	FGFR1 (W666R), Active	Human	NM_023110	○	×
337	FGFR1OP-FGFR1, Active	Human	BC011902 ,NM_023110	○	○
338	FGFR2 (C491A), Active	Human	BC039243	○	×
339	FGFR2 (C491F), Active	Human	BC039243	○	×
340	FGFR2 (C491S), Active	Human	BC039243	○	×
341	FGFR2 (E565G), Active	Human	BC039243	○	○
342	FGFR2 (K526E), Active	Human	BC039243	○	○
343	FGFR2 (K641R), Active	Human	BC039243	○	○
344	FGFR2 (K659N), Active	Human	BC039243	○	○
345	FGFR2 (N549H), Active	Human	BC039243	○	○
346	FGFR2 (R612T), Active	Human	BC039243	○	○
347	FGFR2 (V564F), Active	Human	BC039243	○	○
348	FGFR2, Active	Human	BC039243	○	○
349	FGFR3 (G697C), Active	Human	NM_000142	○	×
350	FGFR3 (K650E), Active	Human	NM_000142	○	×
351	FGFR3 (K650M), Active	Human	NM_000142	○	○
352	FGFR3 (K650Q), Active	Human	NM_000142	○	○
353	FGFR3 (V555M), Active	Human	NM_000142	○	×
354	FGFR3, Active	Human	NM_000142	○	○
355	FGFR4 (N535K), Active	Human	NM_002011	○	○

KINASE PROFILING TARGET LIST

	SignalChem Kinase Target List	Species	GenBank ID	Test Concentrations	
				IC50	Single
356	FGFR4 (V550E), Active	Human	NM_002011	○	○
357	FGFR4 (V550L), Active	Human	NM_002011	○	○
358	FGFR4 (V550M), Active	Human	NM_002011	○	×
359	FGFR4, Active	Human	NM_002011	○	○
360	FGR, Active	Human	NM_005248	○	○
361	FIP1L1-PDGFR alpha, Active	Human	AM392758 ,NM_006206	○	×
362	FLT1, Active	Human	NM_002019	○	○
363	FLT3 (D835Y), Active	Human	NM_004119	○	○
364	FLT3 (F594_R595insR), Active	Human	NM_004119	○	○
365	FLT3 (F594_R595insREY), Active	Human	NM_004119	○	○
366	FLT3 (N676K), Active	Human	NM_004119	○	○
367	FLT3 (R595_E596insEY), Active	Human	NM_004119	○	○
368	FLT3 (Y591-V592insVDFREYEYD), Active	Human	NM_004119	○	×
369	FLT3, Active	Human	NM_004119	○	○
370	FLT3-ITD-NPOS, Active	Human	NM_004119	○	○
371	FLT3-ITD-W51, Active	Human	NM_004119	○	○
372	FLT4, Active	Human	NM_002020	○	○
373	FMS, Active	Human	NM_005211	○	○
374	FRK, Active	Human	NM_002031	○	○
375	FYN A, Active	Human	NM_002037	○	○
376	GAK, Active	Human	NM_005255	○	×
377	GCK, Active	Human	NM_004579	○	○
378	GLK, Active	Human	NM_003618	○	○
379	GOPC-ROS1, Active	Human	NM_020399 ,NM_002944	○	○
380	GRK1, Active	Human	NM_002929	○	×
381	GRK2, Active	Human	NM_001619	○	○
382	GRK3, Active	Human	NM_005160	○	○
383	GRK5, Active	Human	NM_005308	○	○
384	GRK6, Active	Human	BC017272	○	○
385	GRK7, Active	Human	NM_139209	○	○
386	GSK3 alpha, Active	Human	NM_019884	○	○
387	GSK3 beta, Active	Human	NM_001146156	○	○
388	Haspin (GSG2), Active	Human	NM_031965	○	○
389	HCK, Active	Human	NM_002110	○	○
390	HER2 (A775_G776insYVMA), Active	Human	NM_004448	○	○
391	HER2 (d755-759), Active	Human	NM_004448	○	×
392	HER2 (D769H), Active	Human	NM_004448	○	×
393	HER2 (D769Y), Active	Human	NM_004448	○	○
394	HER2 (G776VC), Active	Human	NM_004448	○	×
395	HER2 (I767M), Active	Human	NM_004448	○	×
396	HER2 (L755S), Active	Human	NM_004448	○	×
397	HER2 (L755W), Active	Human	NM_004448	○	×
398	HER2 (P780_Y781insGSP), Active	Human	NM_004448	○	○
399	HER2 (R896C), Active	Human	NM_004448	○	×
400	HER2 (V777_G778insCG), Active	Human	NM_004448	○	×
401	HER2 (V777L), Active	Human	NM_004448	○	×
402	HER2 (V842I), Active	Human	NM_004448	○	×
403	HER2, Active	Human	NM_004448	○	○
404	HER4 (R927Q), Active	Human	NM_005235	○	×
405	HER4, Active	Human	NM_005235	○	○
406	HGK, Active	Human	NP_004825	○	○
407	HIPK1, Active	Human	NM_152696	○	○
408	HIPK2, Active	Human	BC031904	○	○
409	HIPK2, Active	Human	NM_022740	○	×
410	HIPK3, Active	Human	NM_005734	○	○
411	HIPK4, Active	Human	NM_144685	○	○
412	HIPK4, Active	Human	NM_144685	○	×
413	HPK1, Active	Human	NM_007181	○	○
414	HPK1, Active	Human	NM_008279	○	×
415	HUNK, Active	Human	NM_014586	○	○
416	ICK, Active	Human	NM_014920	○	○
417	IGF1R, Active	Human	NM_000875	○	○
418	IKK alpha, Active	Human	BC092514	○	○
419	IKK beta, Active	Human	NM_001556	○	○
420	IKK beta, Active	Human	NM_010546	○	×
421	IKK epsilon, Active	Human	NM_014002	○	○
422	InsR (R1201Q), Active	Human	NM_000208	○	×
423	InsR, Active	Human	NM_000208	○	○
424	IRAK1 (catalytic domain), Active	Human	NM_001569	○	○
425	IRAK1, Active	Human	NM_001569	○	×
426	IRAK2, Active	Human	NM_001570	○	○

KINASE PROFILING TARGET LIST

	SignalChem Kinase Target List	Species	GenBank ID	Test Concentrations	
				IC50	Single
427	IRAK4 (catalytic domain), Active	Human	BC013316	○	○
428	IRAK4, Active	Human	BC013316	○	×
429	IRR, Active	Human	NM_014215	○	○
430	ITK, Active	Human	NM_005546	○	○
431	JAK1 (R724H), Active	Human	NM_002227	○	○
432	JAK1, Active	Human	NM_002227	○	○
433	JAK2, Active	Human	NM_004972	○	○
434	JAK3, Active	Human	NM_000215	○	○
435	JNK1, Active	Human	NM_016700	○	○
436	JNK2, Active	Human	NM_139069	○	○
437	JNK3, Active	Human	NM_002753	○	○
438	KDR, Active	Human	NM_002253	○	○
439	KHS1, Active	Human	NM_006575	○	○
440	KIAA1549-BRAF (Kex15Bex9), Active	Human	NM_001164665 ,NM_004333	○	○
441	KIAA1549-BRAF (Kex16Bex9), Active	Human	NM_001164665 ,NM_004333	○	×
442	KIF5B-ALK (Kex24Aex20), Active	Human	NM_004521 ,NM_004304	○	×
443	KIF5B-MET (Kex24Mex14), Active	Human	NM_004521 ,NM_000245	○	×
444	KIF5B-RET (Kex15Rex14), Active	Human	NM_004521 ,NM_020630	○	○
445	KIF5B-RET (V804L), Active	Human	NM_004521 ,NM_020630	○	○
446	KIF5B-RET (V804M), Active	Human	NM_004521 ,NM_020630	○	○
447	KLC1-ALK (Kex8Aex20), Active	Human	NM_182923 ,NM_004304	○	×
448	KSR1 (A635F), Active	Human	Q8IVT5	○	×
449	KSR1 (L639F), Active	Human	Q8IVT5	○	×
450	KSR1, Active	Human	Q8IVT5	○	○
451	KSR2 (R676S), Active	Human	Q6VAB6	○	○
452	KSR2, Active	Human	Q6VAB6	○	○
453	LATS1, Active	Human	NM_004690	○	×
454	LATS2, Active	Human	NM_014572	○	×
455	LCK, Active	Human	NM_005356	○	○
456	LIMK1, Active	Human	NM_002314	○	○
457	LIMK2, Active	Human	CR456513	○	×
458	LOK, Active	Human	NM_005990	○	×
459	LRRK1, Active	Human	NM_024652	○	×
460	LRRK2 (D1994A), Active	Human	NM_198578	○	×
461	LRRK2 (G2019S), Active	Human	NM_198578	○	×
462	LRRK2 (G2385R), Active	Human	NM_198578	○	×
463	LRRK2 (I2020T), Active	Human	NM_198578	○	×
464	LRRK2 (R1441C), Active	Human	NM_198578	○	×
465	LRRK2 (R1441G), Active	Human	NM_198578	○	×
466	LRRK2 (R1441H), Active	Human	NM_198578	○	×
467	LRRK2 (Y1699C), Active	Human	NM_198578	○	×
468	LRRK2 (Y1699G), Active	Human	NM_198578	○	×
469	LRRK2, Active	Human	NM_198578	○	×
470	LTK, Active	Human	NM_002344	○	○
471	LYN A, Active	Human	NM_002350	○	○
472	LYN B, Active	Human	BC059394	○	○
473	MAK, Active	Human	BC039825	○	○
474	MAPKAPK2, Active	Human	NM_032960	○	○
475	MAPKAPK3, Active	Human	NM_004635	○	○
476	MAPKAPK5, Active	Human	NM_003668	○	○
477	MARK1, Active	Human	BC114478	○	○
478	MARK2, Active	Human	NM_001039469	○	○
479	MARK3, Active	Human	NM_002376	○	○
480	MARK4, Active	Human	NM_031417	○	○
481	MAST3, Active	Human	NM_015016	○	×
482	MASTL, Active	Human	NM_001172303	○	○
483	MATK (CTK), Active	Human	NM_139355	○	○
484	MEK1 (EE), Active	Human	NM_008927	○	×
485	MEK1, Active	Human	NM_002755	○	○
486	MEK2, Active	Human	NM_030662	○	○
487	MEK3 (MAP2K3), Active	Human	NM_002756	○	×
488	MEK4 (MAP2K4), Active	Human	NM_003010	○	○
489	MEK6, Active	Human	BC012009	○	×
490	MEK7, Active	Human	BC038295	○	×
491	MEKK1, Active	Human	NM_005921	○	×
492	MEKK2, Active	Human	NM_006609	○	×
493	MEKK3, Active	Human	NM_002401	○	○
494	MEKK4, Active	Human	NM_005922	○	×
495	MEKK6 (ASK2), Active	Human	NM_004672	○	○
496	MELK (T460M), Active	Human	NM_014791	○	○
497	MELK, Active	Human	NM_014791	○	○

KINASE PROFILING TARGET LIST

	SignalChem Kinase Target List	Species	GenBank ID	Test Concentrations	
				IC50	Single
498	MET (D1228A), Active	Human	NM_000245	○	○
499	MET (D1228G), Active	Human	NM_000245	○	○
500	MET (D1228H), Active	Human	NM_000245	○	○
501	MET (D1228N), Active	Human	NM_000245	○	○
502	MET (D1228V), Active	Human	NM_000245	○	○
503	MET (D1228Y), Active	Human	NM_000245	○	○
504	MET (Del Ex14), Active	Human	NM_000245	○	○
505	MET (F1200I), Active	Human	NM_000245	○	○
506	MET (G1163R), Active	Human	NM_000245	○	○
507	MET (H1094L), Active	Human	NM_000245	○	○
508	MET (H1094Y), Active	Human	NM_000245	○	○
509	MET (K1244R), Active	Human	NM_000245	○	○
510	MET (L1195F), Active	Human	NM_000245	○	○
511	MET (L1195V), Active	Human	NM_000245	○	×
512	MET (M1250I), Active	Human	NM_000245	○	○
513	MET (M1250T), Active	Human	NM_000245	○	○
514	MET (P991S), Active	Human	NM_000245	○	○
515	MET (R970C), Active	Human	NM_000245	○	○
516	MET (T1173I), Active	Human	NM_000245	○	○
517	MET (T992I), Active	Human	NM_000245	○	○
518	MET (V1092I), Active	Human	NM_000245	○	○
519	MET (Y1230A), Active	Human	NM_000245	○	○
520	MET (Y1230C), Active	Human	NM_000245	○	○
521	MET (Y1230D), Active	Human	NM_000245	○	○
522	MET (Y1230H), Active	Human	NM_000245	○	○
523	MET (Y1230S), Active	Human	NM_000245	○	○
524	MET (Y1235D), Active	Human	NM_000245	○	×
525	MET, Active	Human	X96786	○	○
526	MET, Active	Human	NM_000245	○	×
527	MINK1, Active	Human	NM_015716	○	○
528	MKK4, Active	Human	NM_003010	○	×
529	MLCK, Active	Human	NM_053025	○	○
530	MLK1, Active	Human	NM_033141	○	○
531	MLK2, Active	Human	NM_002446	○	○
532	MLK3, Active	Human	NM_002419	○	○
533	MLK4, Active	Human	NM_032435	○	○
534	MNK1, Active	Human	NM_003684	○	○
535	MNK2, Active	Human	NM_017572	○	○
536	MRCK alpha, Active	Human	NM_003607	○	○
537	MRCK beta, Active	Human	NM_006035	○	○
538	MSK1, Active	Human	NM_004755	○	○
539	MSK2, Active	Human	BC012964	○	○
540	MSSK1, Active	Human	BC117124	○	○
541	MST1, Active	Human	NM_006282	○	○
542	MST3, Active	Human	NM_001032296	○	○
543	MST4, Active	Human	NM_016542	○	○
544	MUSK, Active	Human	NM_005592	○	×
545	MYLK2, Active	Human	NM_033118	○	○
546	MYLK3, Active	Human	BC109097	○	○
547	MYLK4, Active	Human	BC132833	○	○
548	MYO3 beta, Active	Human	NM_138995	○	○
549	MYO3 alpha, Active	Human	NM_017433	○	○
550	MYT1, Active	Human	NM_004203	○	×
551	NDR, Active	Human	NM_007271	○	○
552	NDR2, Active	Human	NM_015000	○	×
553	NEK1, Active	Human	NM_175089	○	○
554	NEK1, Active	Human	NM_012224	○	×
555	NEK10, Active	Human	NM_152534	○	×
556	NEK11, Active	Human	NM_024800	○	○
557	NEK2, Active	Human	NM_002497	○	○
558	NEK3, Active	Human	NM_002498	○	○
559	NEK4, Active	Human	BC063044	○	○
560	NEK5, Active	Human	NM_199289	○	○
561	NEK6, Active	Human	NM_014397	○	○
562	NEK7, Active	Human	NM_133494	○	○
563	NEK8, Active	Human	NM_178170	○	×
564	NEK9, Active	Human	NM_033116	○	○
565	NIK, Active	Human	NM_003954	○	○
566	NIM1, Active	Human	NM_153361	○	○
567	NLK, Active	Human	NM_016231	○	○
568	NPM1-ALK (F1174L), Active	Human	U04946	○	×

KINASE PROFILING TARGET LIST

	SignalChem Kinase Target List	Species	GenBank ID	Test Concentrations	
				IC50	Single
569	NPM1-ALK, Active	Human	HSU04946	○	×
570	NUAK1, Active	Human	NM_014840	○	○
571	NUAK2, Active	Human	NM_030952	○	○
572	p38 alpha, Active	Human	NM_139012	○	○
573	p38 beta, Active	Human	NM_002751	○	○
574	p38 delta, Active	Human	NM_002754	○	○
575	p38 gamma, Active	Human	NM_002969	○	○
576	p70S6K, Active	Human	NM_003161	○	○
577	p70S6Kb, Active	Human	BC000094	○	○
578	PAK1, Active	Human	NM_002576	○	○
579	PAK1/GDC42, Active	Human	NM_002576 ,NM_001791	○	○
580	PAK2 (Y443N), Active	Human	NM_002577	○	×
581	PAK3, Active	Human	NM_008778	○	○
582	PAK4, Active	Human	NM_005884	○	○
583	PAK6, Active	Human	NM_020168	○	○
584	PAK7, Active	Human	NM_177990	○	○
585	PASK, Active	Human	NM_015148	○	○
586	PCTK1 (CDK16)/CyclinY, Active	Human	NM_006201 ,NM_145012	○	○
587	PCTK2 (GDK17)/CyclinY, Active	Human	NM_002595 ,NM_145012	○	○
588	PCTK3 (GDK18)/CyclinY, Active	Human	BC011526 ,NM_145012	○	○
589	PDGFR alpha (D842V), Active	Human	NM_006206	○	○
590	PDGFR alpha (E675G Y676C), Active	Human	NM_006206	○	×
591	PDGFR alpha (G680R), Active	Human	NM_006206	○	×
592	PDGFR alpha (T674I), Active	Human	NM_006206	○	×
593	PDGFR alpha, Active	Human	NM_011058	○	○
594	PDGFR alpha, Active	Human	NM_006206	○	×
595	PDGFR beta, Active	Human	NM_002609	○	○
596	PDHK1, Active	Human	NM_002610	○	○
597	PDHK2, Active	Human	NM_002611	○	○
598	PDHK3, Active	Human	NM_005391	○	○
599	PDHK4, Active	Human	NM_002612	○	○
600	PDK1, Active	Human	NM_002613	○	○
601	PFKFB1, Active	Human	NM_002625	○	×
602	PFKFB3 (S269A), Active	Human	NM_004566	○	×
603	PFKFB3, Active	Human	NM_004566	○	×
604	PFKFB4, Active	Human	NM_004567	○	×
605	PFTK1 (CDK14)/CyclinY, Active	Human	NM_012395 ,NM_145012	○	○
606	PHKG1, Active	Human	NM_006213	○	○
607	PHKG2, Active	Human	NM_000294	○	○
608	PI3K (p110 alpha (E545K)/p85 alpha), Active	Human	NM_006218 ,NM_181523	○	×
609	PI3K (p110 alpha (N345K)/p85 alpha), Active	Human	NM_006218 ,NM_181523	○	×
610	PI3K (p110 alpha(E542K)/p85) alpha, Active	Human	NM_006218 ,NM_181523	○	×
611	PI3K (p110 alpha/p55 gamma), Active	Human	NM_006218 ,BC021622	○	×
612	PI3K (p110 alpha/p85 alpha), Active	Human	NM_006218 ,NM_181523	○	×
613	PI3K (p110 beta/p85 alpha), Active	Human	NM_006219 ,NM_181523	○	×
614	PI3K (p110 beta/p85 beta), Active	Human	NM_006219 ,NM_005027	○	×
615	PI3K (p110 delta (E1021K)/p85 alpha), Active	Human	p110 delta: NM_005026 ,p85 alpha: NM_181523	○	×
616	PI3K (p110 delta/p85 alpha), Active	Human	NM_005026 ,NM_181523	○	×
617	PI3K (p120 gamma), Active	Human	NM_002649	○	×
618	PI4K2A, Active	Human	NM_018425	○	×
619	PI4K2B, Active	Human	NM_018323	○	×
620	PI4KA, Active	Human	NM_002650	○	×
621	PI4KB, Active	Human	BC000029	○	×
622	PIK3C2A, Active	Human	NM_002645	○	×
623	PIK3C2B, Active	Human	BC144342	○	×
624	PIK3C2G, Active	Human	BC130277	○	×
625	PIK3C3 (Vps34), Active	Human	NM_002647	○	×
626	PIM1, Active	Human	NM_002648	○	○
627	PIM2, Active	Human	NM_006875	○	○
628	PIM3, Active	Human	NM_145478	○	○
629	PIM3, Active	Human	NM_001001852	○	×
630	PIP4K2A, Active	Human	NM_005028	○	×
631	PIP4K2B, Active	Human	NM_003559	○	×
632	PIP4K2C, Active	Human	BC028596	○	×
633	PIP5K1A, Active	Human	BC007833	○	×
634	PIP5K1B, Active	Human	NM_003558	○	×
635	PIP5K1C, Active	Human	NM_012398	○	×
636	PIP5K3 (PIKFYVE), Active	Human	NM_015040	○	×
637	PKAc alpha, Active	Human	NM_002730	○	○
638	PKAc beta, Active	Human	NM_002731	○	○
639	PKAc gamma, Active	Human	NM_002732	○	○

KINASE PROFILING TARGET LIST

	SignalChem Kinase Target List	Species	GenBank ID	Test Concentrations	
				IC50	Single
640	PKC alpha, Active	Human	BC078065	○	○
641	PKC alpha, Active	Human	NM_002737	○	×
642	PKC beta I, Active	Human	X06318	○	○
643	PKC beta II, Active	Human	NM_002738	○	○
644	PKC delta, Active	Human	NM_006254	○	○
645	PKC epsilon, Active	Human	NM_005400	○	○
646	PKC eta, Active	Human	NM_006255	○	○
647	PKC gamma, Active	Human	NM_002739	○	○
648	PKC iota, Active	Human	NM_002740	○	○
649	PKC mu, Active	Human	X75756	○	○
650	PKC nu, Active	Human	NM_005813	○	○
651	PKC theta, Active	Human	NM_006257	○	○
652	PKC zeta, Active	Human	NM_002744	○	○
653	PKD2 (PRKD2) (G848E), Active	Human	NM_016457	○	○
654	PKD2 (PRKD2) (G870E), Active	Human	NM_016457	○	○
655	PKD2 (PRKD2), Active	Human	NM_016457	○	○
656	PKN1/PRK1, Active	Human	BC040061	○	○
657	PKN2/PRK2, Active	Human	NM_006256	○	○
658	PKN3/PRK3, Active	Human	NM_013355	○	○
659	PLK1, Active	Human	NM_005030	○	○
660	PLK2, Active	Human	NM_006622	○	○
661	PLK3, Active	Human	NM_004073	○	○
662	PLK4 (G95L), Active	Human	NM_014264	○	×
663	PLK4, Active	Human	NM_014264	○	○
664	PRKACA (L206R), Active	Human	NM_002730	○	×
665	PRKG1, Active	Human	NM_006258	○	○
666	PRKG1, Active	Human	NP_001091982	○	×
667	PRKG2, Active	Human	NM_006259	○	○
668	PRKX, Active	Human	NM_005044	○	○
669	PTC1 (CCDC6-RET), Active	Human	BC036757 ,NM_020630	○	○
670	PTC2 (PRKAR1A-RET), Active	Human	NM_002734 ,NM_020630	○	○
671	PTC3 (NCOA4-RET), Active	Human	BC001562 ,NM_020630	○	○
672	PYK2, Active	Human	NM_004103	○	○
673	QIK, Active	Human	NM_015191	○	○
674	RAF1 (EE), Active	Human	NM_002880	○	×
675	RAF1 (R391W), Active	Human	NM_002880	○	×
676	RAF1, Active	Human	NM_002880	○	×
677	RET (A883F), Active	Human	NM_020630	○	○
678	RET (E762Q), Active	Human	NM_020630	○	○
679	RET (G691S), Active	Human	NM_020630	○	○
680	RET (L790F), Active	Human	NM_020630	○	○
681	RET (M918T), Active	Human	NM_020630	○	○
682	RET (R749T), Active	Human	NM_020630	○	○
683	RET (R813Q), Active	Human	NM_020630	○	○
684	RET (R912P), Active	Human	NM_020630	○	×
685	RET (S891A), Active	Human	NM_020630	○	○
686	RET (S904A), Active	Human	NM_020630	○	○
687	RET (S904F), Active	Human	NM_020630	○	○
688	RET (V778I), Active	Human	NM_020630	○	○
689	RET (V804L), Active	Human	NM_020630	○	○
690	RET (V804M), Active	Human	NM_020630	○	○
691	RET (Y791F), Active	Human	NM_020630	○	○
692	RET, Active	Human	NM_020630	○	○
693	RIPK1, Active	Human	NM_003804	○	○
694	RIPK1, Active	Human	NM_009068	○	×
695	RIPK1, Active	Human	AB169435	○	×
696	RIPK2, Active	Human	NM_003821	○	○
697	RIPK3, Active	Human	NM_006871	○	○
698	RIPK5, Active	Human	NM_015375	○	○
699	RNF130-BRAF (Rex3Bex9), Active	Human	BC108306 ,NM_004333	○	×
700	ROCK1, Active	Human	NM_005406	○	○
701	ROCK2, Active	Human	NM_004850	○	○
702	RON, Active	Human	NM_002447	○	○
703	ROR1, Active	Human	NM_005012	○	×
704	ROR2, Active	Human	NM_004560	○	×
705	ROS1 (G2032R), Active	Human	NM_002944	○	○
706	ROS1 (G2101A), Active	Human	NM_002944	○	×
707	ROS1 (G2101C), Active	Human	NM_002944	○	×
708	ROS1, Active	Human	NM_002944	○	○
709	RSK1, Active	Human	NM_002953	○	○
710	RSK2 (I416V), Active	Human	NM_004586	○	○

KINASE PROFILING TARGET LIST

	SignalChem Kinase Target List	Species	GenBank ID	Test Concentrations	
				IC50	Single
711	RSK2 (L608F), Active	Human	NM_004586	○	○
712	RSK2 (Y483C), Active	Human	NM_004586	○	○
713	RSK2, Active	Human	NM_004586	○	○
714	RSK3, Active	Human	NM_021135	○	○
715	RSK4, Active	Human	NM_014496	○	○
716	SBK1, Active	Human	NM_001024401	○	○
717	SGK1, Active	Human	NM_005627	○	○
718	SGK2, Active	Human	NM_170693	○	○
719	SGK3, Active	Human	NM_013257	○	○
720	SIK, Active	Human	NM_173354	○	○
721	SIK3, Active	Human	BC128510	○	○
722	SLK, Active	Human	AB002804	○	○
723	SNRK, Active	Human	NM_017719	○	○
724	SOK1, Active	Human	NM_006374	○	○
725	SPHK1, Active	Human	BC008040	○	×
726	SPHK2, Active	Human	NM_020126	○	×
727	SRC, Active	Human	M11753	○	○
728	SRC, Active	Human	NM_005417	○	×
729	SRGAP3-BRAF (Sex12Bex9), Active	Human	NM_014850 ,NM_004333	○	○
730	SRMS, Active	Human	NM_080823	○	○
731	SRPK1, Active	Human	BC038292	○	○
732	SRPK2, Active	Human	NM_182691	○	○
733	STK19, Active	Human	NM_004197	○	○
734	STK21 (GIT), Active	Human	NM_007174	○	×
735	STK3, Active	Human	BC010640	○	○
736	STK32B (YANK2), Active	Human	BC038238	○	○
737	STK32C (YANK3), Active	Human	NM_173575	○	×
738	STK33, Active	Human	BC031231	○	×
739	STK36, Active	Human	BC026158	○	×
740	STK39 (STLK3), Active	Human	NM_013233	○	×
741	STRN-ALK (Sex3Aex20), Active	Human	NM_003162 ,NM_004304	○	×
742	SYK, Active	Human	NM_003177	○	○
743	TAK1-TAB1, Active	Human	NM_003188 ,NM_006116	○	○
744	TAOK1, Active	Human	NM_020791	○	○
745	TAOK2, Active	Human	NM_004783	○	○
746	TAOK3, Active	Human	NM_016281	○	○
747	TBK1, Active	Human	BC034950	○	○
748	TBK1, Active	Human	NM_019786	○	×
749	TEC, Active	Human	NM_003215	○	○
750	TEC, Active	Human	BC166730	○	×
751	TECR-PKN1(Tex1Pex10), Active	Human	NM_138501 ,NM_002741	○	○
752	TESK2, Active	Human	NM_007170	○	○
753	TFG-ALK (Tex4Aex20), Active	Human	NM_001195478 ,NM_004304	○	○
754	TFG-ALK (Tex5Aex20), Active	Human	NM_001195478 ,NM_004304	○	○
755	TFG-MET (Tex5Mex15), Active	Human	NM_001195478 ,NM_000245	○	○
756	TFG-TRKA (TRK-T3), Active	Human	NM_001195478 ,NM_002529	○	×
757	TGFBR1 (ALK5), Active	Human	BC071181	○	○
758	TGFBR1 (ALK5), Active	Human	BC063260	○	×
759	TGFBR1 (T204D), Active	Human	BC071181	○	×
760	TGFBR2, Active	Human	NM_003242	○	○
761	TGFBR2, Active	Human	BC052629	○	×
762	TIE2 (A1124V), Active	Human	NM_000459	○	○
763	TIE2 (L914F), Active	Human	NM_000459	○	×
764	TIE2 (P883A), Active	Human	NM_000459	○	○
765	TIE2 (R849W), Active	Human	NM_000459	○	○
766	TIE2 (R915C), Active	Human	NM_000459	○	×
767	TIE2 (Y1108F), Active	Human	NM_000459	○	×
768	TIE2 (Y897C), Active	Human	NM_000459	○	○
769	TIE2 (Y897H R915C), Active	Human	NM_000459	○	○
770	TIE2 (Y897H), Active	Human	NM_000459	○	×
771	TIE2 (Y897S), Active	Human	NM_000459	○	○
772	TIE2, Active	Human	NM_000459	○	○
773	TLK1, Active	Human	NM_012290	○	○
774	TLK2, Active	Human	NM_006852	○	○
775	TNIK, Active	Human	NM_015028	○	○
776	TNK1, Active	Human	NM_003985	○	○
777	TNNI3K, Active	Human	BC117262	○	×
778	TOPK, Active	Human	NM_018492	○	○
779	TPM1-ALK, Active	Human	NM_001018005 ,NM_004304	○	○
780	TPM3-ALK, Active	Human	NM_152263 ,NM_004304	○	×
781	TPM3-PDGFR beta, Active	Human	NM_152263 ,NM_002609	○	×

KINASE PROFILING TARGET LIST

	SignalChem Kinase Target List	Species	GenBank ID	Test Concentrations	
				IC50	Single
782	TPM3-ROS1, Active	Human	NM_152263 ,NM_002944	○	×
783	TPM3-TRKA, Active	Human	NM_152263 ,NM_002529	○	×
784	TPR-TRKA (TRK-T1), Active	Human	NM_003292 ,NM_002529	○	×
785	TRIO, Active	Human	O75962-1	○	○
786	TRKA (A608D), Active	Human	NM_002529	○	×
787	TRKA (F589L), Active	Human	NM_002529	○	×
788	TRKA (G595R A608D), Active	Human	NM_002529	○	×
789	TRKA (G595R G667A), Active	Human	NM_002529	○	○
790	TRKA (G595R G667C), Active	Human	NM_002529	○	○
791	TRKA (G595R G667S), Active	Human	NM_002529	○	○
792	TRKA (G595R L657M), Active	Human	NM_002529	○	×
793	TRKA (G595R), Active	Human	NM_002529	○	×
794	TRKA (G667A), Active	Human	NM_002529	○	×
795	TRKA (G667C), Active	Human	NM_002529	○	○
796	TRKA (G667S), Active	Human	NM_002529	○	×
797	TRKA (L657M), Active	Human	NM_002529	○	○
798	TRKA, Active	Human	NM_002529	○	○
799	TRKB, Active	Human	NM_001018064	○	○
800	TRKC (G623E), Active	Human	NM_001012338	○	×
801	TRKC (G623R L686M), Active	Human	NM_001012338	○	×
802	TRKC (G623R), Active	Human	NM_001012338	○	×
803	TRKC (G696A), Active	Human	NM_001012338	○	×
804	TRKC (G696C), Active	Human	NM_001012338	○	×
805	TRKC (L686M), Active	Human	NM_001012338	○	×
806	TRKC, Active	Human	NM_001012338	○	○
807	TSSK1B, Active	Human	NM_032028	○	○
808	TSSK2, Active	Human	NM_053006	○	○
809	TTBK1, Active	Human	NM_032538	○	○
810	TTBK2, Active	Human	NM_080788	○	○
811	TTK, Active	Human	NM_003318	○	○
812	TTK, Active	Human	NM_009445	○	×
813	TXK, Active	Human	NM_003328	○	○
814	TXK, Active	Human	BC095847	○	×
815	TYK2 (JTK1), Active	Human	NM_003331	○	○
816	TYRO3, Active	Human	NM_006293	○	○
817	ULK1, Active	Human	BC111603	○	○
818	ULK2, Active	Human	NM_014683	○	○
819	ULK3, Active	Human	BC157884	○	○
820	VRK1, Active	Human	NM_003384	○	○
821	VRK2, Active	Human	NM_006296	○	○
822	WEE1, Active	Human	NM_003390	○	×
823	WEE2, Active	Human	BC052883	○	×
824	WNK1, Active	Human	NM_018979	○	○
825	WNK2, Active	Human	NM_006648	○	×
826	WNK3, Active	Human	NM_001002838	○	○
827	WNK4, Active	Human	NM_175638	○	×
828	YES1 (T348I), Active	Human	NM_005433	○	○
829	YES1, Active	Human	NM_005433	○	○
830	YSK4 (MAP3K19), Active	Human	NM_025052	○	○
831	ZAK, Active	Human	NM_133646	○	○
832	ZAP70 (Y319F), Active	Human	NM_001079	○	×
833	ZAP70, Active	Human	NM_001079	○	○