

タンソーバイオサイエンス社

GPCRターゲットリスト

	HGNC symbol *ヒト・マウス両方 **マウスのみ	HGNC name	Family
1	HTR1A*	5-hydroxytryptamine receptor 1A	5-Hydroxytryptamine receptors
2	HTR1B*	5-hydroxytryptamine receptor 1B	5-Hydroxytryptamine receptors
3	HTR1D*	5-hydroxytryptamine receptor 1D	5-Hydroxytryptamine receptors
4	HTR1E	5-hydroxytryptamine receptor 1E	5-Hydroxytryptamine receptors
5	HTR1F*	5-hydroxytryptamine receptor 1F	5-Hydroxytryptamine receptors
6	HTR2A*	5-hydroxytryptamine receptor 2A	5-Hydroxytryptamine receptors
7	HTR2B*	5-hydroxytryptamine receptor 2B	5-Hydroxytryptamine receptors
8	HTR2C*	5-hydroxytryptamine receptor 2C	5-Hydroxytryptamine receptors
9	HTR4*	5-hydroxytryptamine receptor 4	5-Hydroxytryptamine receptors
10	HTR5A*	5-hydroxytryptamine receptor 5A	5-Hydroxytryptamine receptors
11	HTR6*	5-hydroxytryptamine receptor 6	5-Hydroxytryptamine receptors
12	HTR7*	5-hydroxytryptamine receptor 7	5-Hydroxytryptamine receptors
13	CHRM1*	cholinergic receptor muscarinic 1	Acetylcholine receptors (muscarinic)
14	CHRM2*	cholinergic receptor muscarinic 2	Acetylcholine receptors (muscarinic)
15	CHRM3*	cholinergic receptor muscarinic 3	Acetylcholine receptors (muscarinic)
16	CHRM4*	cholinergic receptor muscarinic 4	Acetylcholine receptors (muscarinic)
17	CHRM5*	cholinergic receptor muscarinic 5	Acetylcholine receptors (muscarinic)
18	ADORA1*	adenosine A1 receptor	Adenosine receptors
19	ADORA2A*	adenosine A2a receptor	Adenosine receptors
20	ADORA2B*	adenosine A2b receptor	Adenosine receptors
21	ADORA3*	adenosine A3 receptor	Adenosine receptors
22	ADRA1A*	adrenoceptor alpha 1A	Adrenoceptors
23	ADRA1B*	adrenoceptor alpha 1B	Adrenoceptors
24	ADRA1D*	adrenoceptor alpha 1D	Adrenoceptors
25	ADRA2A*	adrenoceptor alpha 2A	Adrenoceptors
26	ADRA2B*	adrenoceptor alpha 2B	Adrenoceptors
27	ADRA2C*	adrenoceptor alpha 2C	Adrenoceptors
28	ADRB1*	adrenoceptor beta 1	Adrenoceptors
29	ADRB2*	adrenoceptor beta 2	Adrenoceptors
30	ADRB3*	adrenoceptor beta 3	Adrenoceptors
31	AGTR1*	angiotensin II receptor type 1	Angiotensin receptors
32	APLNR*	apelin receptor	Apelin receptor
33	GPBAR1*	G protein-coupled bile acid receptor 1	Bile acid receptor
34	BRS3	bombesin receptor subtype 3	Bombesin receptors
35	GRPR*	gastrin releasing peptide receptor	Bombesin receptors
36	NMBR*	neuromedin B receptor	Bombesin receptors
37	CALCR*	calcitonin receptor	Calcitonin receptors
38	CALCRL*	calcitonin receptor like receptor	Calcitonin receptors
39	CASR*	calcium sensing receptor	Calcium-sensing receptor
40	CNR1*	cannabinoid receptor 1	Cannabinoid receptors
41	GPR119*	G protein-coupled receptor 119	Cannabinoid receptors
42	GPR55*	G protein-coupled receptor 55	Cannabinoid receptors
43	CMKLR1*	chemerin chemokine-like receptor 1	Chemerin receptors
44	CCR1*	C-C motif chemokine receptor 1	Chemokine receptors
45	CCR10*	C-C motif chemokine receptor 10	Chemokine receptors
46	CCR2	C-C motif chemokine receptor 2	Chemokine receptors
47	CCR4*	C-C motif chemokine receptor 4	Chemokine receptors
48	CCR5*	C-C motif chemokine receptor 5	Chemokine receptors
49	CCR6*	C-C motif chemokine receptor 6	Chemokine receptors
50	CCR7*	C-C motif chemokine receptor 7	Chemokine receptors
51	CCR8*	C-C motif chemokine receptor 8	Chemokine receptors

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52	CCR9*	C-C motif chemokine receptor 9	Chemokine receptors
53	CX3CR1*	C-X3-C motif chemokine receptor 1	Chemokine receptors
54	CXCR1*	C-X-C motif chemokine receptor 1	Chemokine receptors
55	CXCR2*	C-X-C motif chemokine receptor 2	Chemokine receptors
56	CXCR3*	C-X-C motif chemokine receptor 3	Chemokine receptors
57	CXCR4*	C-X-C motif chemokine receptor 4	Chemokine receptors
58	CXCR5*	C-X-C motif chemokine receptor 5	Chemokine receptors
59	CXCR6*	C-X-C motif chemokine receptor 6	Chemokine receptors
60	CCKAR*	cholecystokinin A receptor	Cholecystokinin receptors
61	CCKBR*	cholecystokinin B receptor	Cholecystokinin receptors
62	C3AR1*	complement C3a receptor 1	Complement peptide receptors
63	C5AR1*	complement C5a receptor 1	Complement peptide receptors
64	CRHR1*	corticotropin releasing hormone receptor 1	Corticotropin-releasing factor receptors
65	CRHR2*	corticotropin releasing hormone receptor 2	Corticotropin-releasing factor receptors
66	DRD1*	dopamine receptor D1	Dopamine receptors
67	DRD2*	dopamine receptor D2	Dopamine receptors
68	DRD3*	dopamine receptor D3	Dopamine receptors
69	DRD4*	dopamine receptor D4	Dopamine receptors
70	DRD5*	dopamine receptor D5	Dopamine receptors
71	EDNRA*	endothelin receptor type A	Endothelin receptors
72	EDNRB*	endothelin receptor type B	Endothelin receptors
73	FPR1*	formyl peptide receptor 1	Formylpeptide receptors
74	FPR2*	formyl peptide receptor 2	Formylpeptide receptors
75	FFAR1*	free fatty acid receptor 1	Free fatty acid receptors
76	FFAR3*	free fatty acid receptor 3	Free fatty acid receptors
77	FFAR4*	free fatty acid receptor 4	Free fatty acid receptors
78	GPR84*	G protein-coupled receptor 84	Free fatty acid receptors
79	GABBR1 (+GABBR2)*	gamma-aminobutyric acid type B receptor subunits 1 & 2	GABAB receptors
80	GABBR2 (+GABBR1)*	gamma-aminobutyric acid type B receptor subunits 1 & 2	GABAB receptors
81	GALR1*	galanin receptor 1	Galanin receptors
82	GALR2*	galanin receptor 2	Galanin receptors
83	GHSR*	growth hormone secretagogue receptor	Ghrelin receptor
84	GCGR*	glucagon receptor	Glucagon receptor family
85	GHRHR*	growth hormone releasing hormone receptor	Glucagon receptor family
86	GIPR*	gastric inhibitory polypeptide receptor	Glucagon receptor family
87	GLP1R*	glucagon like peptide 1 receptor	Glucagon receptor family
88	GLP2R*	glucagon like peptide 2 receptor	Glucagon receptor family
89	SCTR	secretin receptor	Glucagon receptor family
90	FSHR*	follicle stimulating hormone receptor	Glycoprotein hormone receptors
91	LHCGR*	luteinizing hormone/choriogonadotropin receptor	Glycoprotein hormone receptors
92	TSHR	thyroid stimulating hormone receptor	Glycoprotein hormone receptors
93	GNRHR*	gonadotropin releasing hormone receptor	Gonadotrophin-releasing hormone receptors
94	HRH1*	histamine receptor H1	Histamine receptors
95	HRH2*	histamine receptor H2	Histamine receptors
96	HRH3*	histamine receptor H3	Histamine receptors
97	HRH4*	histamine receptor H4	Histamine receptors
98	HCAR2	hydroxycarboxylic acid receptor 2	Hydroxycarboxylic acid receptors
99	HCAR3	hydroxycarboxylic acid receptor 3	Hydroxycarboxylic acid receptors
100	KISS1R*	KISS1 receptor	Kisspeptin receptor
101	CYSLTR1*	cysteinyl leukotriene receptor 1	Leukotriene receptors
102	CYSLTR2*	cysteinyl leukotriene receptor 2	Leukotriene receptors

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103	LTB4R*	leukotriene B4 receptor	Leukotriene receptors
104	LTB4R2*	leukotriene B4 receptor 2	Leukotriene receptors
105	LPAR1*	lysophosphatidic acid receptor 1	Lysophospholipid (LPA) receptors
106	LPAR3*	lysophosphatidic acid receptor 3	Lysophospholipid (LPA) receptors
107	LPAR4*	lysophosphatidic acid receptor 4	Lysophospholipid (LPA) receptors
108	LPAR5*	lysophosphatidic acid receptor 5	Lysophospholipid (LPA) receptors
109	LPAR6*	lysophosphatidic acid receptor 6	Lysophospholipid (LPA) receptors
110	GPR174*	G protein-coupled receptor 174	Lysophospholipid (LPS) receptors
111	GPR34*	G protein-coupled receptor 34	Lysophospholipid (LPS) receptors
112	S1PR1*	sphingosine-1-phosphate receptor 1	Lysophospholipid (S1P) receptors
113	S1PR2*	sphingosine-1-phosphate receptor 2	Lysophospholipid (S1P) receptors
114	S1PR3*	sphingosine-1-phosphate receptor 3	Lysophospholipid (S1P) receptors
115	S1PR5*	sphingosine-1-phosphate receptor 5	Lysophospholipid (S1P) receptors
116	MCHR1*	melanin concentrating hormone receptor 1	Melanin-concentrating hormone receptors
117	MCHR2	melanin concentrating hormone receptor 2	Melanin-concentrating hormone receptors
118	MC1R*	melanocortin 1 receptor	Melanocortin receptors
119	MC2R*	melanocortin 2 receptor	Melanocortin receptors
120	MC3R*	melanocortin 3 receptor	Melanocortin receptors
121	MC4R*	melanocortin 4 receptor	Melanocortin receptors
122	MC5R*	melanocortin 5 receptor	Melanocortin receptors
123	MTNR1A*	melatonin receptor 1A	Melatonin receptors
124	MTNR1B*	melatonin receptor 1B	Melatonin receptors
125	GRM1*	glutamate metabotropic receptor 1	Metabotropic glutamate receptors
126	GRM2*	glutamate metabotropic receptor 2	Metabotropic glutamate receptors
127	GRM4*	glutamate metabotropic receptor 4	Metabotropic glutamate receptors
128	GRM6*	glutamate metabotropic receptor 6	Metabotropic glutamate receptors
129	GRM8*	glutamate metabotropic receptor 8	Metabotropic glutamate receptors
130	MLNR	motilin receptor	Motilin receptor
131	NMUR1*	neuromedin U receptor 1	Neuromedin U receptors
132	NMUR2*	neuromedin U receptor 2	Neuromedin U receptors
133	NPFFR1*	neuropeptide FF receptor 1	Neuropeptide FF/neuropeptide AF receptors
134	NPFFR2*	neuropeptide FF receptor 2	Neuropeptide FF/neuropeptide AF receptors
135	NPBWR1*	neuropeptides B and W receptor 1	Neuropeptide W/neuropeptide B receptors
136	NPBWR2	neuropeptides B and W receptor 2	Neuropeptide W/neuropeptide B receptors
137	NPY1R*	neuropeptide Y receptor Y1	Neuropeptide Y receptors
138	NPY2R*	neuropeptide Y receptor Y2	Neuropeptide Y receptors
139	NPY4R*	neuropeptide Y receptor Y4	Neuropeptide Y receptors
140	NPY5R*	neuropeptide Y receptor Y5	Neuropeptide Y receptors
141	NTSR1*	neurotensin receptor 1	Neurotensin receptors
142	NTSR2*	neurotensin receptor 2	Neurotensin receptors
143	OPRD1*	opioid receptor delta 1	Opioid receptors
144	OPRK1*	opioid receptor kappa 1	Opioid receptors
145	OPRL1*	opioid related nociceptin receptor 1	Opioid receptors
146	OPRM1*	opioid receptor mu 1	Opioid receptors
147	HCRTR1*	hypocretin receptor 1	Orexin receptors
148	HCRTR2*	hypocretin receptor 2	Orexin receptors
149	ACKR1*	atypical chemokine receptor 1 (Duffy blood group)	Orphan receptors
150	ACKR2*	atypical chemokine receptor 2	Orphan receptors
151	ACKR3*	atypical chemokine receptor 3	Orphan receptors
152	ACKR4*	atypical chemokine receptor 4	Orphan receptors
153	AGTR2*	angiotensin II receptor type 2	Orphan receptors

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154	CCRL2*	C-C motif chemokine receptor like 2	Orphan receptors
155	GPER1	G protein-coupled estrogen receptor 1	Orphan receptors
156	GPR1*	G protein-coupled receptor 1	Orphan receptors
157	GPR101	G protein-coupled receptor 101	Orphan receptors
158	GPR107*	G protein-coupled receptor 107	Orphan receptors
159	GPR12*	G protein-coupled receptor 12	Orphan receptors
160	GPR132*	G protein-coupled receptor 132	Orphan receptors
161	GPR135*	G protein-coupled receptor 135	Orphan receptors
162	GPR137	G protein-coupled receptor 137	Orphan receptors
163	GPR139	G protein-coupled receptor 139	Orphan receptors
164	GPR141	G protein-coupled receptor 141	Orphan receptors
165	GPR142	G protein-coupled receptor 142	Orphan receptors
166	GPR143	G protein-coupled receptor 143	Orphan receptors
167	GPR146*	G protein-coupled receptor 146	Orphan receptors
168	GPR148	G protein-coupled receptor 148	Orphan receptors
169	GPR149	G protein-coupled receptor 149	Orphan receptors
170	GPR15	G protein-coupled receptor 15	Orphan receptors
171	GPR150*	G protein-coupled receptor 150	Orphan receptors
172	GPR151*	G protein-coupled receptor 151	Orphan receptors
173	GPR152*	G protein-coupled receptor 152	Orphan receptors
174	GPR153	G protein-coupled receptor 153	Orphan receptors
175	GPR156	G protein-coupled receptor 156	Orphan receptors
176	GPR157*	G protein-coupled receptor 157	Orphan receptors
177	GPR158	G protein-coupled receptor 158	Orphan receptors
178	GPR160*	G protein-coupled receptor 160	Orphan receptors
179	GPR161	G protein-coupled receptor 161	Orphan receptors
180	GPR162*	G protein-coupled receptor 162	Orphan receptors
181	GPR17*	G protein-coupled receptor 17	Orphan receptors
182	GPR171*	G protein-coupled receptor 171	Orphan receptors
183	GPR173*	G protein-coupled receptor 173	Orphan receptors
184	GPR175 (Tpra1)**	G protein-coupled receptor 175	Orphan receptors
185	GPR176	G protein-coupled receptor 176	Orphan receptors
186	GPR18*	G protein-coupled receptor 18	Orphan receptors
187	GPR182*	G protein-coupled receptor 182	Orphan receptors
188	GPR19*	G protein-coupled receptor 19	Orphan receptors
189	GPR20*	G protein-coupled receptor 20	Orphan receptors
190	GPR21*	G protein-coupled receptor 21	Orphan receptors
191	GPR22*	G protein-coupled receptor 22	Orphan receptors
192	GPR25*	G protein-coupled receptor 25	Orphan receptors
193	GPR26*	G protein-coupled receptor 26	Orphan receptors
194	GPR27*	G protein-coupled receptor 27	Orphan receptors
195	GPR3*	G protein-coupled receptor 3	Orphan receptors
196	GPR30(GPER1)**	G protein-coupled receptor 30	Orphan receptors
197	GPR31	G protein-coupled receptor 31	Orphan receptors
198	GPR32	G protein-coupled receptor 32	Orphan receptors
199	GPR35*	G protein-coupled receptor 35	Orphan receptors
200	GPR37*	G protein-coupled receptor 37	Orphan receptors
201	GPR37L1*	G protein-coupled receptor 37 like 1	Orphan receptors
202	GPR39*	G protein-coupled receptor 39	Orphan receptors
203	GPR4*	G protein-coupled receptor 4	Orphan receptors
204	GPR45*	G protein-coupled receptor 45	Orphan receptors

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205	GPR50	G protein-coupled receptor 50	Orphan receptors
206	GPR52	G protein-coupled receptor 52	Orphan receptors
207	GPR6*	G protein-coupled receptor 6	Orphan receptors
208	GPR61*	G protein-coupled receptor 61	Orphan receptors
209	GPR62	G protein-coupled receptor 62	Orphan receptors
210	GPR63*	G protein-coupled receptor 63	Orphan receptors
211	GPR65*	G protein-coupled receptor 65	Orphan receptors
212	GPR68*	G protein-coupled receptor 68	Orphan receptors
213	GPR75*	G protein-coupled receptor 75	Orphan receptors
214	GPR78	G protein-coupled receptor 78	Orphan receptors
215	GPR82*	G protein-coupled receptor 82	Orphan receptors
216	GPR83*	G protein-coupled receptor 83	Orphan receptors
217	GPR85*	G protein-coupled receptor 85	Orphan receptors
218	GPR87*	G protein-coupled receptor 87	Orphan receptors
219	GPR88*	G protein-coupled receptor 88	Orphan receptors
220	GPRC5A	G protein-coupled receptor class C group 5 member A	Orphan receptors
221	GPRC5B	G protein-coupled receptor class C group 5 member B	Orphan receptors
222	GPRC5C*	G protein-coupled receptor class C group 5 member C	Orphan receptors
223	GPRC5D	G protein-coupled receptor class C group 5 member D	Orphan receptors
224	GPRC6A	G protein-coupled receptor class C group 6 member A	Orphan receptors
225	LGR4	leucine rich repeat containing G protein-coupled receptor 4	Orphan receptors
226	LGR5	leucine rich repeat containing G protein-coupled receptor 5	Orphan receptors
227	LGR6*	leucine rich repeat containing G protein-coupled receptor 6	Orphan receptors
228	MAS1*	MAS1 proto-oncogene, G protein-coupled receptor	Orphan receptors
229	MAS1L	MAS1 proto-oncogene like, G protein-coupled receptor	Orphan receptors
230	MRGPRD*	MAS related GPR family member D	Orphan receptors
231	MRGPRE*	MAS related GPR family member E	Orphan receptors
232	MRGPRF*	MAS related GPR family member F	Orphan receptors
233	MRGPRG*	MAS related GPR family member G	Orphan receptors
234	MRGPRX1*	MAS related GPR family member X1	Orphan receptors
235	MRGPRX2	MAS related GPR family member X2	Orphan receptors
236	MRGPRX3	MAS related GPR family member X3	Orphan receptors
237	MRGPRX4	MAS related GPR family member X4	Orphan receptors
238	P2RY8	P2Y receptor family member 8	Orphan receptors
239	TAAR2*	trace amine associated receptor 2	Orphan receptors
240	TAAR5*	trace amine associated receptor 5	Orphan receptors
241	TAAR6*	trace amine associated receptor 6	Orphan receptors
242	TAAR8*	trace amine associated receptor 8	Orphan receptors
243	TAAR9*	trace amine associated receptor 9	Orphan receptors
244	TPRA1	transmembrane protein adipocyte associated 1	Orphan receptors
245	OXGR1*	oxoglutarate receptor 1	Oxoglutarate receptors
246	P2RY1*	purinergic receptor P2Y1	P2Y receptors
247	P2RY10*	P2Y receptor family member 10	P2Y receptors
248	P2RY11	purinergic receptor P2Y11	P2Y receptors
249	P2RY12*	purinergic receptor P2Y12	P2Y receptors
250	P2RY14*	purinergic receptor P2Y14	P2Y receptors
251	P2RY2*	purinergic receptor P2Y2	P2Y receptors
252	P2RY4*	pyrimidinergic receptor P2Y4	P2Y receptors
253	P2RY6*	pyrimidinergic receptor P2Y6	P2Y receptors
254	PTH1R*	parathyroid hormone 1 receptor	Parathyroid hormone receptors
255	PTH2R	parathyroid hormone 2 receptor	Parathyroid hormone receptors

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256	PTAFR*	platelet activating factor receptor	Platelet-activating factor receptor
257	PROKR1*	prokineticin receptor 1	Prokineticin receptors
258	PROKR2*	prokineticin receptor 2	Prokineticin receptors
259	PRLHR*	prolactin releasing hormone receptor	Prolactin-releasing peptide receptor
260	PTGDR*	prostaglandin D2 receptor	Prostanoid receptors
261	PTGDR2*	prostaglandin D2 receptor 2	Prostanoid receptors
262	PTGER1*	prostaglandin E receptor 1	Prostanoid receptors
263	PTGER2*	prostaglandin E receptor 2	Prostanoid receptors
264	PTGER3*	prostaglandin E receptor 3	Prostanoid receptors
265	PTGER4*	prostaglandin E receptor 4	Prostanoid receptors
266	PTGFR*	prostaglandin F receptor	Prostanoid receptors
267	PTGIR*	prostaglandin I2 receptor	Prostanoid receptors
268	F2R*	coagulation factor II thrombin receptor	Proteinase-activated receptors
269	F2RL1*	F2R like trypsin receptor 1	Proteinase-activated receptors
270	F2RL2	coagulation factor II thrombin receptor like 2	Proteinase-activated receptors
271	F2RL3*	F2R like thrombin or trypsin receptor 3	Proteinase-activated receptors
272	QRFP*	pyroglutamylated RFamide peptide receptor	QRFP receptor
273	RXFP1*	relaxin family peptide receptor 1	Relaxin family peptide receptors
274	RXFP2*	relaxin family peptide receptor 2	Relaxin family peptide receptors
275	RXFP3*	relaxin family peptide receptor 3	Relaxin family peptide receptors
276	RXFP4*	relaxin family peptide/INSL5 receptor 4	Relaxin family peptide receptors
277	SSTR1*	somatostatin receptor 1	Somatostatin receptors
278	SSTR2*	somatostatin receptor 2	Somatostatin receptors
279	SSTR3*	somatostatin receptor 3	Somatostatin receptors
280	SSTR4*	somatostatin receptor 4	Somatostatin receptors
281	SSTR5*	somatostatin receptor 5	Somatostatin receptors
282	GPR183*	G protein-coupled receptor 183	Steroid receptors
283	SUCNR1*	succinate receptor 1	Succinate receptor
284	TACR1*	tachykinin receptor 1	Tachykinin receptors
285	TACR2*	tachykinin receptor 2	Tachykinin receptors
286	TACR3*	tachykinin receptor 3	Tachykinin receptors
287	TRHR*	thyrotropin releasing hormone receptor	Thyrotropin-releasing hormone receptors
288	TAAR1*	trace amine associated receptor 1	Trace amine receptor
289	UTS2R*	urotensin 2 receptor	Urotensin receptor
290	AVPR1A*	arginine vasopressin receptor 1A	Vasopressin and oxytocin receptors
291	AVPR1B*	arginine vasopressin receptor 1B	Vasopressin and oxytocin receptors
292	AVPR2*	arginine vasopressin receptor 2	Vasopressin and oxytocin receptors
293	OXTR*	oxytocin receptor	Vasopressin and oxytocin receptors
294	ADCYAP1R1*	ADCYAP receptor type I	VIP and PACAP receptors
295	VIPR1*	vasoactive intestinal peptide receptor 1	VIP and PACAP receptors
296	VIPR2*	vasoactive intestinal peptide receptor 2	VIP and PACAP receptors

※Assay mode は agonist/inverse agonist, antagonist, PAM/NAM、 orphan receptor は agonist/inverse agonist のみ対応