

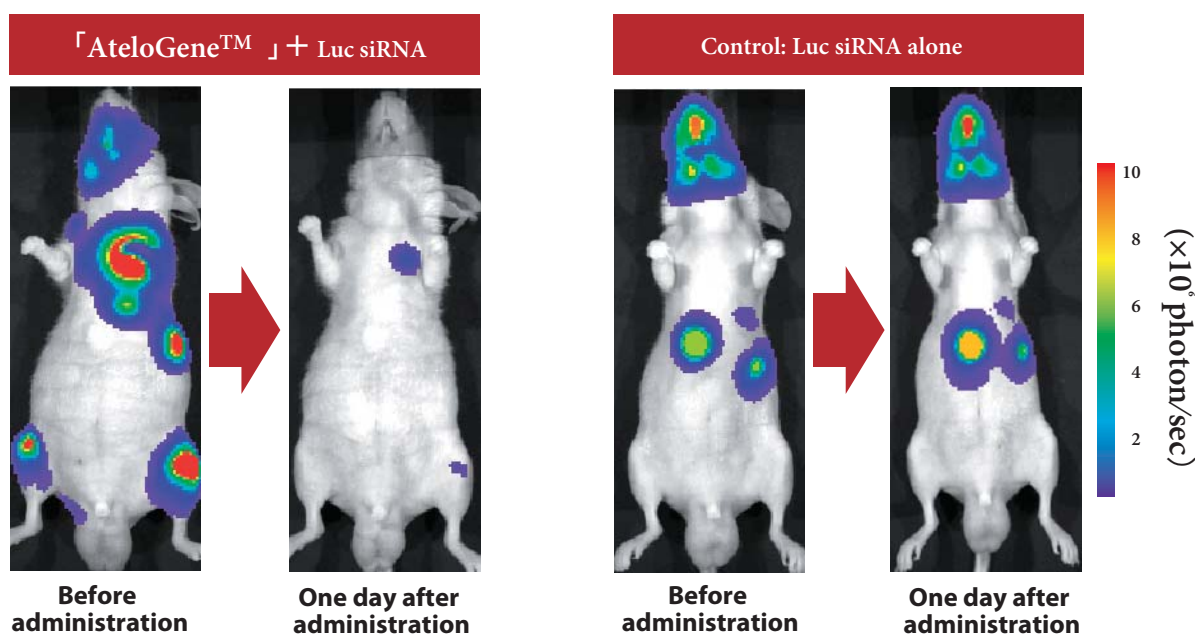


## *in vivo* siRNA Transfection Kit

# AteloGene™

Highly regarded kit for *in vivo* siRNA transfection. Systemic or localized use.  
From Koken (Tokyo), the leading innovator of advanced atelocollagen products.

Try it if you have difficulty in transfecting siRNA *in vivo* or if you are to start *in vivo* transfection of siRNA.



### [Example of systemic administration]

Suppression of gene expression in luciferase expressing cancer cells metastasizing to the whole body. The administration of luciferase siRNA (Luc siRNA) with AteloGene™ more greatly suppressed the expression of luciferase than the administration of Luc siRNA alone.

The AteloGene™, *in vivo* siRNA transfection kit is designed to efficiently transfect siRNA *in vivo* by local or systemic administration.

#### ● Easy and safe

You can readily administer synthesized siRNA only by mixing it with AteloGene™.

You do not have to prepare any plasmid vector or viral vector for the expression of siRNA.

It is safe because it uses no virus.

#### ● No toxicity

The main component of AteloGene™ is atelocollagen that has high compatibility with the experimental animals and has been clinically used as an implant material for years.

#### ● Stabilization of siRNA

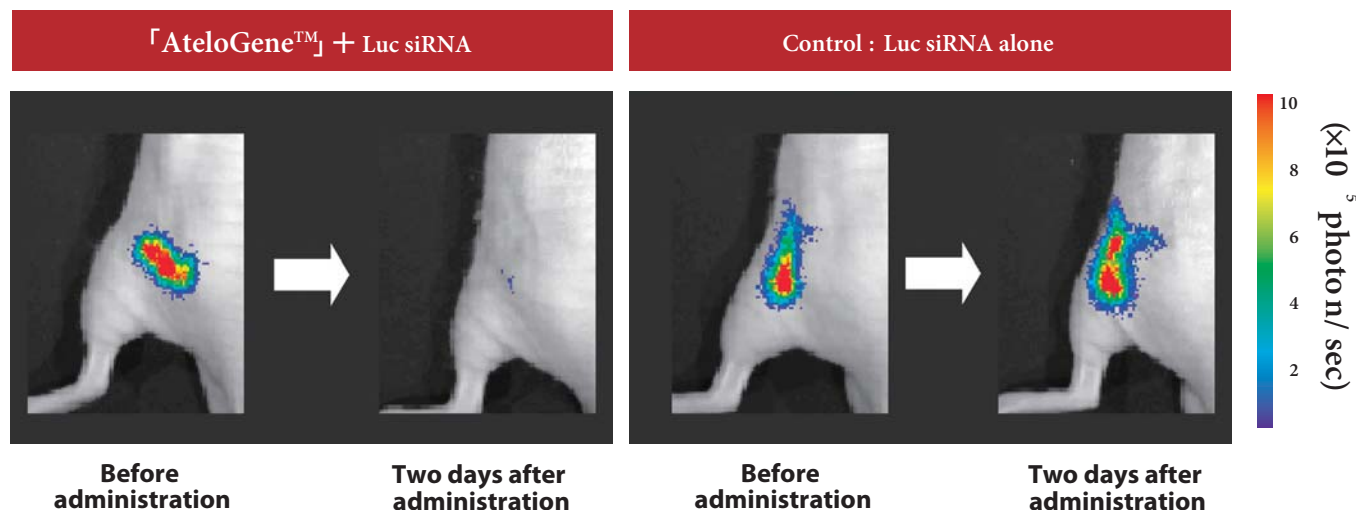
Preventing the degradation of siRNA by RNase, the effect of RNAi lasts for a long time.

#### ● Intended for local and systemic administration

The AteloGene™ Local Use surely remains at the administration site because it turns into a gel in the body.<sup>1,2,4)</sup>

The AteloGene™ Systemic Use efficiently delivers siRNA to the whole body because it does not turn into a gel, but flows in blood after it is administered in the tail vein<sup>3)</sup>.

# AteloGene™



### [Example of local administration]

Suppression of gene expression of mouse subcutaneous tumor

The administration of luciferase siRNA (Luc siRNA) with AteloGene™ more greatly suppressed the expression of luciferase than the administration of Luc siRNA alone for the subcutaneous tumor of luciferase expressing cancer cells.

### ● AteloGene™ in vivo siRNA Transfection Kit

Product number	Product name	Package	Price(excluding tax)
#1392	AteloGene™ Local Use	1 Kit*	¥ 60,000- \$ 572 € 462
#1393	AteloGene™ Systemic Use	1 Kit*	¥ 60,000- \$ 572 € 462

\* Ten times administration in mice

### ● References

- 1) Y. Takei, *et al.*, *Cancer Res.*, 64, 3365-3370 (2004)
- 2) Y. Minakuchi, *et al.*, *Nucleic Acids Res.*, 32, e109 (2004)
- 3) F. Takeshita, *et al.*, *Proc. Nat. Acad. Sci. USA.*, 102, 12177-12182 (2005)
- 4) T. Fujii, *et al.*, *Int. J. Oncol.*, 29, 541-548 (2006)

\* This product is a reagent for research use.

\* Patent pending: PCT/JP02/06137

<http://www.cosmobio.co.jp>

For research use only, not for human body

manufactured by **KOKEN** KOKEN CO., LTD.



COSMO BIO CO., LTD.

Inspiration for Life Science

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