



Fast! Transgenic Mice

TARGATT™ Fast & Site-Specific Transgenic Service



Applied StemCell

Do you need a transgenic / knock-in mouse model? Applied StemCell can create site-specific transgenic mice for you with a turnaround time **as fast as 3 months**. Using our novel TARGATT™ system, a gene of interest can be specifically inserted at a well-characterized transcriptionally active locus in the mouse genome with guaranteed transgene expression. Tissue specific and / or ubiquitous expression options are available.

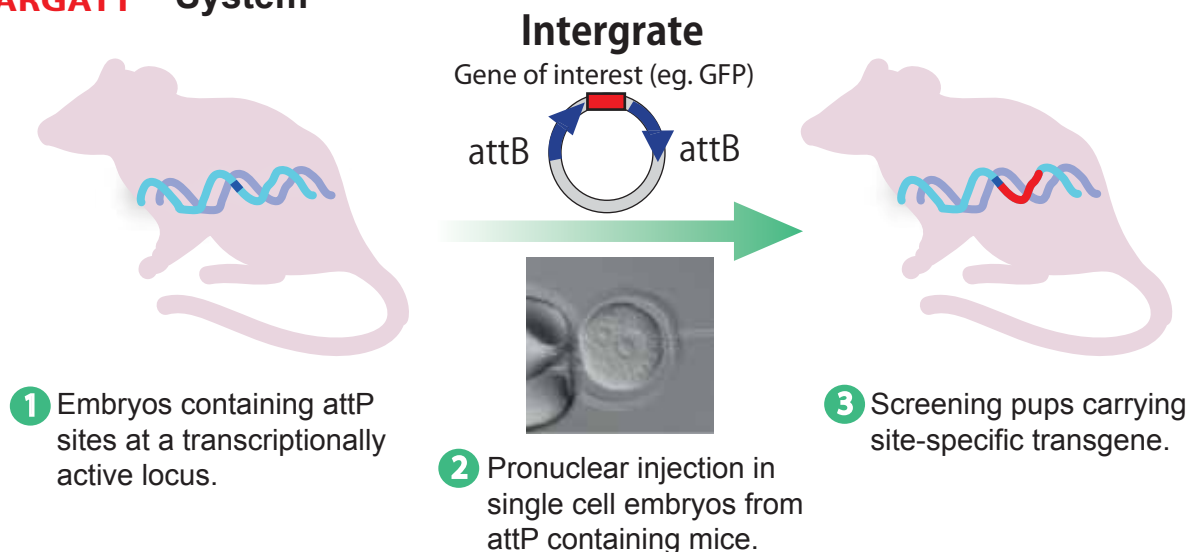
	TARGATT™ System	Traditional Methods
Site-Specific	Yes	No
Transgene Expression	Yes	Variable or Silenced
Stable Expression	Yes	Variable or Silenced
Transgene Copy Number	Single copy	Multiple Copies
Turnaround Time	3 Months	6 Months
Cost from DNA to Mouse	Inquire	>\$15,000

B. Tasic et al., *Proc Natl Acad Sci U S A.* **108**, 7902 (2011).

J. Rossant, L. M. J. Nutter, M. Gertsenstein, *Proc Natl Acad Sci U S A.* **108**, 7659 (2011).



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TARGATT™ System



Please contact us for details and pricing.

Applied StemCell, Inc.

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Embryos & Transgenic Kit

Using our **TARGATT™** Embryo and Transgenic Kit, you can generate your own transgenic mouse in 3 months.



AST-0001	TARGATT™ H11 Embryos (Fresh, 50 Embryos)	\$2,650
AST-0002	TARGATT™ H11 Embryos (Frozen, 50 Embryos)	\$2,950
AST-0003	TARGATT™ Rosa26 Embryos (Fresh, 50 Embryos)	\$2,650
AST-0004	TARGATT™ Rosa26 Embryos (Frozen, 50 Embryos)	\$2,950
AST-1001	TARGATT™ Transgenic Kit (5 rounds of microinjections)	\$869
AST-1002	TARGATT™ Transgenic Kit (2 rounds of microinjections)	\$399

*MTA is required upon ordering.

Related Product : Mouse Tail Lysis PCR Kit for easy genotyping of your transgenic mouse.

Knock-out/in Mice

We provide a complete service for generating Knock-out/in mice including the design of the gene targeting vector, ES cell targeting and blastocyst injection or tetraploid complementation.

Cost effective: Applied StemCell uses tetraploid complementation technology in combination with our proprietary mESC lines to generate gene targeted mice completely derived from injected ES cells. This eliminates the time-consuming breeding process and saves at least 3 to 5 months when compared to traditional blastocyst injection methods.

High Quality: Our scientists have extensive experience in gene targeting and genetic mouse models.



Knock-out mouse from Tetraploid complementation

or



Chimera from blastocyst injection

Our services:

- Gene targeting vector design
- ES cell targeting
- Cre/FLP recombination
- Germline transmission by tetraploid complementation
- Chimera production by blastocyst injection