

129S.Cg-Tg(Hoxb7-rtTA*M2)2Cos/J

Stock No: 016567

 Congenic, Transgenic

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

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genes throughout the Wolffian duct, ureteric bud (UB) epithelium, and developing kidney.

Donating Investigator

Frank Costantini, Columbia University Medical Center

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GENETIC OVERVIEW

Genetic Background

Generation

Tg(Hoxb7-rtTA*M2)2Cos

Alele Type

Transgenic (Transactivator)

VIEW GENETICS

RESEARCH APPLICATIONS

Developmental Biology Research

Research Tools

Internal/Organ Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

V I E W P R I C E L I S T

Details

Detailed Description

RS-HTA2 transgenic mice have the homeobox B7 promoter/enhancer sequences driving expression of an optimized form of the reverse tetracycline-controlled transactivator (rtTA^{*M2}) protein. Hemizygotes are viable, fertile, and normal in size. When mated to a second transgenic strain carrying a gene of interest under the regulatory control of a tetracycline-responsive promoter element (tetO), expression of the gene of interest may be regulated by the tetracycline analog, doxycycline (dox). In the presence of dox, transcription of the target gene is induced in cells where rtTA is expressed. When bred to B6;SJL-Tg(tetop-lacZ)^{2Mam/J} mice (Stock No. [002621](#)), adult mice carrying both transgenes, which were maintained on Dox during pre and postnatal life, show strong expression of βgal in the renal collecting duct system, and embryos display strong expression throughout the Wolffian duct, ureteric bud, vas deferens, epididymis and seminal vesicles. These mice may be useful for the inducible expression of genes throughout the Wolffian duct, ureteric bud (UB) epithelium, and developing kidney.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(Hoxb7-rtTA^{*M2})^{2Cos}

Disease/Phenotype

Disease Terms

[+ Research Areas By Phenotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

[- Technical Support](#)

C O N T A C T T E C H N I C A L S U P P O R T

Genotyping Protocols

Standard PCR: [Tg\(Hoxb7-rtTA*M2\)RS40BCos](#)

Separated PCR: [Generic rtTA Advanced](#)

Standard PCR: [Tg\(Hoxb7-rtTA*M2\)2Cos Alternate2](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, hemizygous mice may be bred to wildtype (non-carrier) mice from the colony, or to 129S1/SvImJ inbred mice (Stock No. [002448](#)).

[Additional Breeding and Husbandry Support](#)

Citation

When using the 129S.Cg-Tg(Hoxb7-rtTA*M2)2Cos/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #016567 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, [G200](#)

[- Pricing & Availability](#)



Cryo
Recovery

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Domestic **International**

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Hemizygous or Non carrier for Tg(Hoxb7-rtTA*M2)2Cos	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	129S.Cg-Tg(Hoxb7-rtTA*M2)2Cos/J	\$2595.00
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Q U E S T I O N S A B O U T T E R M S O F U S E

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LICENSING INFORMATION

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Email: TechTran@jax.org

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