

B6.Cg-Stra8^{tm1Dcp} /J

Stock No: **023805**

 Congenic, Targeted Mutation

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

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Donating Investigator

David Page, Whitehead Institute for Biomedical Research

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GENETIC OVERVIEW

Genetic Background

Generation

Stra8^{tm1Dcp}

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Stra8

stimulated by retinoic acid gene 8

VIEW GENETICS

RESEARCH APPLICATIONS

Cell Biology Research

Reproductive Biology 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

The mouse *Stra8* (stimulated by retinoic acid gene 8) gene is expressed exclusively in premeiotic germ cells in both males and females. In females, it is expressed in the embryonic ovary. In males, it is expressed in pubertal and adult testes, in premeiotic spermatogenic cells.

These mice carry a targeted knockout of the *Stra8* gene on a C57BL/6N genetic background. Exons 2-7 were replaced with an IRES-LacZ/pgk-Neo cassette which is transcribed, but may not produce protein. Both male and female homozygous knockout mice are infertile as germ cells fail to initiate meiosis. STRA8 expression is not detectable by immunohistochemistry or by RT-PCR from homozygous adult testes or fetal ovaries. The phenotype is very sensitive to strain background (particularly for the males).

Development

Control Suggestions

Selected References

Genetics

Stra8^{tm1Dcp}

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:[Stra8alternate1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

Heterozygous mice are viable and fertile, but some males are poor breeders. Both female and male homozygotes are infertile due to a failure of germ cells to initiate meiosis.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.Cg-*Stra8*^{tm1Dcp}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #023805 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

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

Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Heterozygous or wildtype for <i>Stra8</i> <tm1Dcp>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6.Cg-Stra8^{tm1Dcp}/J Frozen Embryo

\$2595.00

PAYMENT TERMS AND CONDITIONS

Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

THE JACKSON LABORATORY'S GENOTYPE PROMISE

The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. **Therefore, we cannot guarantee a strain's phenotype will meet all expectations.** To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

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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

ADDITIONAL USE RESTRICTIONS APPLY

[Use of MICE by companies or for-profit entities requires a license prior to shipping.](#)

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection



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