



C57BL/6-Tg(Hspa2-cre)1Eddy/J

Stock No: 008870

 Coisogenic, Transgenic



CRYO RECOVERY

PLACE ORDER

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

Overview

These Hspa2-Cre mice have expression of Cre recombinase directed to the developing male germ cells by the mouse *Hspa2* (heat shock protein 2 [Hsp70-2]) promoter. The Hspa2-Cre sequences of the transgene are flanked by *Acrv1* (acrosomal vesicle protein 1 [SP-10]) insulator elements (which are believed to tether the *Acrv1* gene to the nuclear matrix in somatic cells [preventing transcription]). When these transgenic mice are bred with mice containing a *loxP*-flanked sequence of interest, Cre-mediated

recombination is expected to result in deletion of the floxed sequences in leptotene/zygotene spermatocytes of the male offspring. The donating investigator reports that expression of Hspa2-Cre may be "leaky" and recombination of *loxP*-flanked sequences can occur in some cells in somatic tissues. These Hspa2-Cre mice may be useful to generate conditional mutations for studying mammalian spermatocyte development, gametogenesis and meiosis.

Donating Investigator

Edward Mitch Eddy, NIEHS-NIH

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

Tg(Hspa2-cre)1Eddy

Allele Type

Transgenic (Recombinase-expressing)

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

Mice hemizygous for the Hspa2-Cre transgene are viable and fertile, with expression of Cre recombinase directed to the developing male germ cells by the mouse *Hspa2* (heat shock protein 2 [Hsp70-2]) promoter. The Hspa2-Cre sequences of the transgene are flanked by *Acrv1* (acrosomal vesicle protein 1 [SP-10]) insulator elements (which are believed to tether the *Acrv1* gene to the nuclear matrix in somatic cells [preventing transcription]). When these transgenic mice are bred with mice containing a *loxP*-flanked sequence of interest, Cre-mediated recombination is expected to result in deletion of the floxed sequences in leptotene/zygotene spermatocytes of the male offspring. The donating investigator reports that expression of Hspa2-Cre may be "leaky" and

recombination of *loxP*-flanked sequences can occur in some cells in somatic tissues. These Hspa2-Cre mice may be useful to generate conditional mutations for studying mammalian spermatocyte development, gametogenesis and meiosis.

[+ Development](#)

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TECHNICAL SUPPORT CHAT

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Probe:[Tg\(Hspa2-cre\)1Eddy](#)

Standard PCR:[Tg\(Hspa2-cre\)1Eddy](#)

Standard PCR:[Tg\(Hspa2-cre\)1Eddy](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, hemizygotes may be bred with noncarrier (wildtype) siblings or C57BL/6J inbred mice.

[Additional Breeding and Husbandry Support](#)

Citation

When using the C57BL/6 Tg(Hspa2-cre)1Eddy/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #008870 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	GENOTYPE	PRICE
Cryo Recovery	Hemizygous or Non carrier for Tg(Hspa2-cre)1Eddy/	\$2,854.50

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a [Dedicated Supply](#) for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

Related Products and Services

Frozen Mouse Embryo	C57BL/6-Tg(Hspa2-cre)1Eddy/J Frozen Embryo	\$2595.00
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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.

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Licensing Information

Phone: 207-288-6470

Email: TechTran@jax.org

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