



STOCK Tg(Ins2-cre/ERT)1Dam/J

Stock No: 008122

 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

When these RIP-CreER mice are bred with mice containing a *loxP*-flanked sequence of interest, tamoxifen-inducible, Cre-mediated recombination will result in deletion of the flanked sequences in pancreatic beta cells. This mutant mouse strain may be useful in studying pancreatic development, diabetes and obesity.

Donating Investigator

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

Tg(Ins2-cre/ERT)1Dam

Allele Type

Transgenic (Recombinase-expressing, Inducible)

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

These RIP-CreER transgenic mice have a tamoxifen inducible Cre-mediated recombination system driven by the rat insulin 2, *Ins2*, promoter. The transgene insert contains a fusion product involving Cre recombinase and a mutant form of the mouse estrogen receptor ligand binding domain. The mutant mouse estrogen receptor does not bind natural ligand at physiological concentrations but will bind the synthetic ligand, 4-hydroxytamoxifen. Restricted to the cytoplasm, the Cre/Esr1 protein can only gain access to the nuclear compartment after exposure to tamoxifen. When crossed with a strain containing a *loxP* site flanked sequence of interest, the offspring are useful for generating tamoxifen-induced, Cre-mediated targeted deletions. Tamoxifen administration induces Cre recombination in islet cells of the pancreas. Hemizygous mutant mice are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. The Donating Investigator has not attempted to make this strain homozygous.

Development

Expression Data

[+ Control Suggestions](#)

[+ Selected References](#)

[- Genetics](#)

[+ Tg\(Ins2-cre/ERT\)1Dam](#)

[- Disease/Phenotype](#)

[+ Disease Terms](#)

[+ Research Areas By Genotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

[- Technical Support](#)

CHAT OFFLINE

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR: [Tg\(Ins2-cre/ERT\)1Dam](#)

Standard PCR: [Tg\(Ins2-cre/ERT\)1Dam](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice can be bred as hemizygotes. The Donating Investigator has not attempted to make this strain homozygous.

[Additional Breeding and Husbandry Support](#)

Citation

When using the STOCK Tg(Ins2-cre/ERT)1Dam/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #008122 in your Materials and Methods section.

[Facility Barrier Level Descriptions](#)

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

[- Pricing & Availability](#)



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	Heterozygous or wildtype for Tg(Ins2-cre/Esr1)1Dam	\$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	STOCK Tg(Ins2-cre/ERT)1Dam/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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Terms Of Use

Terms of Use

[General Terms and Conditions](#)

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

Phone: 207-288-6470

Email: TechTran@jax.org

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