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Stock No: 029853 | Trem2 flox

Targeted Mutation



CRYORECOVERY

P L A C E O R D E R

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

Overview



MODEL-AD

Model Organism Development & Evaluation for Late-Onset Alzheimer's Disease

Also Known As: Trem2 flox

These floxed mutant mice possess *loxP* sites flanking exons 2 and 3 of the *Trem2* gene. This strain may be useful for generating conditional mutations in applications related to Alzheimer's Disease.

Donating Investigator

Bruce Lamb, Indiana University School of Medicine

Guixiang Xu, Indiana University School of Medicine

Adrian Oblak, Indiana University School of Medicine, Alzheimer Disease Center

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

Trem2^{tm1c(EUCOMM)Wtsi}

Allele Type

Gene Symbol

Gene Name

Targeted (Conditional ready
(e.g. floxed))

Trem2

triggering receptor expressed on myeloid cells 2

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

Research Tools

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description

The targeted *Trem2* gene encodes a protein that is part of a receptor signaling complex with TYRO protein tyrosine kinase binding protein, and that activates macrophages and dendritic cells during immune responses. Loss-of-function variants of the *TREM2* gene are associated with Alzheimer's Disease. These mice possess *loxP* sites on either side of exons 2 and 3 of the targeted gene. The donating investigator reports that homozygotes are viable and fertile. As the mice are characterized, we will modify the strain description and add phenotype data.

When these mutant mice are bred to mice that express Cre recombinase, resulting offspring will have exons 2 and 3 deleted in the *cre*-expressing tissues.

Development

Control Suggestions

Genetics

Trem2^{tm1c(EUCOMM)Wtsi}

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: *Trem2*^{tm1c(EUCOMM)Wtsi}

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice can be bred as heterozygotes or homozygotes. The donating investigator reports that homozygotes are viable and fertile.

[Additional Breeding and Husbandry Support](#)

Mating System

Wild-type x Heterozygote

Heterozygote x Wild-type

Citation

When using the Trem2 flox mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #029853 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



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 Not-For-Profit & Academic Pricing

SERVICE	GENOTYPE	PRICE
Cryo Recovery	Heterozygous or wildtype for Trem2<tm1c(EUCOMM)Wtsi>	\$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	B6(C3)-Trem2<tm1c(EUCOMM)Wtsi>/AdiujJ	\$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

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