STOCK Tgfbr1 tm1.Karl/KuLJ

Stock No: 028701 | T RI f

Targeted Mutation

PLACE ORDER

3-6 week lead time for most orders depending on quantity and age range requested

Overview

Also Known As: T RI f

T RI f/ f floxed mice possess loxP sites flanking exon 3 of the Tgfbr1 gene making this strain useful for studying vascular development and hematopoiesis.

Donating Investigator

Stefan Karlsson, Lund University Hospital
GENETIC OVERVIEW

Genetic Background
Generation
?+pN1F6
(2018-11-30 00:00:00)

**Tgfbr1** tm1.1Karl

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Targeted (Conditional ready (e.g. floxed), No functional change)</td>
<td>Tgfbr1</td>
<td>transforming growth factor, beta receptor 1</td>
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VIEW GENETICS

RESEARCH APPLICATIONS

Cell Biology Research
Immunology, Inflammation and Autoimmunity Research
Research Tools

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

$263.00 Domestic price for female

VIEW PRICE LIST

Details

Detailed Description

**Tgfbr1** floxed mice possess loxP sites flanking exon 3 of the transforming growth factor, beta receptor 1 (Tgfbr1) gene. Tgfbr1 is a transmembrane serine/threonine kinase that forms a heteromeric complex with TGF-RII. TGF- signaling through this complex is important for the regulation of vascular development, hematopoiesis, autoimmune diseases, and chronic inflammation. Mice that are homozygous for this allele are viable and fertile. When bred to mice that express tissue-specific Cre recombinase, resulting offspring will have exon 3 deleted in the cre-expressing tissues.

Development

Control Suggestions
Genotyping Protocols
MELT: Tgfb1^im1.Karl
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, homozygous mice may be bred together.
Additional Breeding and Husbandry Support

Citation
When using the Tgfb1 strain in a publication, please cite the originating article(s) and include JAX stock #028701 in your Materials and Methods section.
Facility Barrier Level Descriptions
- AX10 (Standard)

Pricing & Availability
3-6 week lead time for most orders depending on quantity and age range requested

Domestic | International
Pricing effective for USA, Canada and Mexico shipping destinations
Live Mouse

<table>
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<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Approx 4-8 weeks</td>
<td>Female</td>
<td>Homozygous for Tg(fbr1&lt;sup&gt;tm1.1Kar1&lt;/sup&gt;)</td>
<td>$263.00</td>
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<tr>
<td></td>
<td>Male</td>
<td>Homozygous for Tg(fbr1&lt;sup&gt;tm1.1Kar1&lt;/sup&gt;)</td>
<td>$263.00</td>
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</tbody>
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Related Products and Services

- Frozen Mouse Embryo: $2,595.00 per straw or vial

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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Related Strains

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<tr>
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All Related Strains