STOCK Fgfr2<sup>tm1Dou/J</sup>

Stock No: 007569

▶ Targeted Mutation

CRYO RECOVERY

REQUEST CRYORECOVERY

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

Overview

Also Known As: B6;129X1-Fgfr2<sup>tm1Dou</sup>/J, STOCK Fgfr2<sup>tm1Dou</sup>/J, B6;129X1(Cg)-Fgfr2<sup>tm1Dou</sup>/J

These Fgfr2-flox mutant mice may be useful in generating conditional mutations to study the role of fibroblast growth factor receptors in vertebrate development; including early embryogenesis, regional specification of the brain, limb morphogenesis, and normal bone, craniofacial, and lens development.

Donating Investigator

David Ornitz, Washington University School of Medicine
### GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td><strong>Fgfr2tm1Dor</strong></td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted (Conditional ready (e.g. floxed), No functional change)</td>
<td>Fgfr2</td>
<td>fibroblast growth factor receptor 2</td>
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### RESEARCH APPLICATIONS

Research Tools
Developmental Biology Research

### BASE PRICE

Starting at:

$2,595.00 Domestic price Cryo Recovery

### Details

#### Detailed Description

Mice homozygous for this Fgfr2<sup>flox</sup> allele possess loxP sites flanking exons 8-10 of the targeted gene and are viable and fertile. When these mutant mice are bred to mice that express Cre recombinase, resulting offspring will have sequences encoding the alternatively spliced Ig domain IIIb, as well as the IIIc and TM domains, deleted in the cre-expressing tissue(s). These Fgfr2-flox mutant mice may be useful in generating conditional mutations to study the role of fibroblast growth factor receptors in vertebrate development; including early embryogenesis, regional specification of the brain, limb morphogenesis, and normal bone, craniofacial, and lens development.

For example, when crossed to a strain expressing Cre recombinase in the central nervous system, especially astrocytes (see Stock No. **004600**), this mutant mouse strain may be useful in studies of astroglial migration.

When crossed to a strain expressing Cre recombinase in the neural tube, midbrain and dorsal spinal cord (see Stock No. **009107**), this mutant mouse strain may be useful in studies of lacrimal gland development.

#### Development
Genotyping Protocols
Standard PCR: Fgfr2^{tm1Dor}
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 STOCK Fgfr2^{tm1Dor} /J mouse strain in a publication, please cite the originating article(s) and include JAX stock #007569 in your Materials and Methods section.

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.
Cryo Recovery - Domestic Pricing

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Wildtype and Heterozygous for Fgfr2&lt;tm1Dor&gt;</td>
<td>$2,595.00</td>
</tr>
</tbody>
</table>

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.

Cryo recovery 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 | $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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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.

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**Terms of Use**

**General Terms and Conditions**

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**Additional Use Restrictions Apply**

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**Licensing Information**

Phone: 207-288-6470

Email: TechTran@jax.org

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Related Strains

- All
- By Allele
- By Gene