B6.129S4-F2r^{tm1Ac}/J

Stock No: 002862 | tr-

- Congenic, Targeted Mutation

**CRYO RECOVERY**

**PLACE ORDER**

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

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**Overview**

Also Known As: tr-

These F2r knock-out mice exhibit early mortality and may be useful in applications to develop therapeutics that will selectively block thrombin's different cellular actions.

**Donating Investigator**

Dr. Shaun Coughlin, U. of California at San Francisco

READ MORE +
GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td>000664 C57BL/6J</td>
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<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tr>
<td>Targeted (Null/Knockout)</td>
<td>F2r</td>
<td>coagulation factor II (thrombin) receptor</td>
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VIEW GENETICS

RESEARCH APPLICATIONS

Hematological Research
Developmental Biology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description
Thrombin activates platelets, endothelial cells, leukocytes and mesenchymal cells at sites of vascular injury. Disruption of the thrombin receptor in these F2r knock-out mice causes about half of the homozygotes to die at around embryonic day 9-10. Platelets from surviving homozygotes respond to thrombin while fibroblasts from the same mice are unable to respond to thrombin.

Control Suggestions

Selected References

Genetics

F2r<sup>tm1Ajc</sup>
Genotyping Protocols
Standard PCR: F2r^{tm1Ac}
Genotyping resources and troubleshooting

Breeding Considerations
Homozygous siblings may be bred. The litter size is reported to be about half of that normally expected from C57BL/6 mice. The expected coat color is black.

Additional Breeding and Husbandry Support

Appearance
black
Related Genotype: a/a

Citation
When using this strain in a publication, please cite the originating article(s) and include JAX stock #002862 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 for more information.

<table>
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<tr>
<th>Domestic</th>
<th>International</th>
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<tr>
<td>Pricing effective for USA, Canada and Mexico shipping destinations</td>
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<p>| Cryorecovery - Domestic Pricing |</p>
<table>
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<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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</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.

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.

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.

Terms Of Use
Terms of Use
General Terms and Conditions

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Phone: 207-288-6470
Email: TechTran@jax.org

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Related Strains

- All
- By Allele
- By Gene
- By Collection

All Related Strains