Overview

Also Known As: src-
These Src knock-out mice exhibit osteopetrosis.

Donating Investigator
IMR Colony, The Jackson Laboratory
GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>000664 C57BL/6J</td>
<td></td>
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</tbody>
</table>

**Src<sup>tm1Sor</sup>**

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>Src</td>
<td>Rous sarcoma oncogene</td>
</tr>
</tbody>
</table>

RESEARCH APPLICATIONS
Developmental Biology Research
Cancer Research

BASE PRICE
Starting at:
$2,595.00 Domestic price Cryo Recovery

Details

Detailed Description
Mice homozygous for the Src<sup>tm1Sor</sup> targeted mutation display osteopetrosis. Homozygous mutant mice are approximately one-third the size of normal wildtype siblings. Incisors fail to erupt. In general, long bones are shorter in length and show a partial absence of bone marrow. Src has been implicated in development, but its role may be masked by other tyrosine kinases. No overt phenotype is found in brain or platelets, where it is most highly expressed. Mice heterozygous for the Src<sup>tm1Sor</sup> mutation have no apparent abnormalities.

Control Suggestions

Selected References

Genetics

**Src<sup>tm1Sor</sup>**
Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols
SEPARATED MELT: Src<sub>tm1Sor</sub>_alternate1
Separated PCR: Src<sub>tm1Sor</sub>_alternate1
Genotyping resources and troubleshooting

Breeding Considerations
This strain was generated on an inbred 129/Sv background. It has been backcrossed onto C57BL/6J. Expected coat color from breeding: Black, White Bellied Agouti
Additional Breeding and Husbandry Support

Appearance
black
Related Genotype: a/a

white-bellied agouti
Related Genotype: A<sup>W</sup>/?

Citation
When using the strain, please cite the originating article(s) and include JAX stock #002277 in your

Animal Health Reports
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 Pricing

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or wildtype for Src&lt;tm1Sor&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.

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.

<table>
<thead>
<tr>
<th>Related Products and Services</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Frozen Mouse Embryo</td>
<td>$2,595.00 per straw or vial</td>
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</table>

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

Licensing Information

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

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Related Strains

- All
- By Allele
- By Gene
- By Collection
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TOMORROW'S CURES

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