B6.129S2-Serpine1<sup>tm1Mig</sup>/J

Stock No: 002507 | PAI-1

- Congenic, Targeted Mutation

REQUEST CRYORECOVERY

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

Also Known As: B6.129S2-Serpine1<sup>tm1Mig</sup>, PAI-1

These plasminogen activator inhibitor-1 deficient mice may be useful for studying the role of fibrosis and fibrinolysis in amyloid plaque deposition (Alzheimer’s disease), hyperphagia, obesity, injury and muscular dystrophy.

Donating Investigator

Dr. Peter Carmeliet, University of Leuven

READ MORE +

GENETIC OVERVIEW

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

**Serpine1<sup>tm1Mig</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>Serpine1</td>
<td>serine (or cysteine) peptidase inhibitor, clade E, member 1</td>
</tr>
</tbody>
</table>

VIEW GENETICS

RESEARCH APPLICATIONS

Cancer Research
Internal/Organ Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE
Starting at:
Detailed Description

Mice homozygous for this plasminogen activator inhibitor-1 null allele (PAI-1-) are viable and fertile with normal development. Compared to wildtype mice, pulmonary clot lysis is increased in the heterozygote and further increased in the homozygote. Endotoxin induced venous thrombosis is decreased compared to wildtype mice. Thus, disruption of the PAI-1 (Serpine1) gene induces a mild hyperfibrinolytic state. Hemostasis is normal in homozygous mutants.

Development

Control Suggestions

Selected References

Genetics

Serpine1<sup>Im1Mig</sup>

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols

MELT: Serpine1<sup>Im1Mig</sup>
Genotyping resources and troubleshooting

Mating System

Homozygote x Homozygote
Appearance
black
Related Genotype: a/a

Citation
When using the PAl-1 mouse strain in a publication, please cite the originating article(s) and include JAX stock #002507 in your Materials and Methods section.
Production of mice from cryopreserved embryo 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.

<table>
<thead>
<tr>
<th>Cryorecovery - Domestic Pricing</th>
<th>Genotype</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous for Serpine1&lt;tm1Mlg&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.

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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### Terms Of Use

#### Terms of Use

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

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