



# B6.129S<sup>Se2r-p</sup> i n e <sup>1<sup>Ug</sup></sup> / J

Stock No: 002507 | PAI-1<sup>-</sup>

Congenic, Targeted Mutation



CRYO RECOVERY

P L A C E   O R D E R

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

## Overview

### Also Known As: PAI-1<sup>-</sup>

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

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## GENETIC OVERVIEW

Genetic Background

000664 C57BL/6J

Generation

*Serpine1*<sup>tm1Mlg</sup>

Allele Type

Targeted (Null/Knockout)

Gene Symbol

*Serpine1*

Gene Name

serine (or cysteine) peptidase inhibitor, clade E, member 1

VIEW GENETICS

## RESEARCH APPLICATIONS

Cancer Research

Internal/Organ Research

VIEW ALL RESEARCH APPLICATIONS

## BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

### Details

#### Detailed Description

Mice homozygous for this plasminogen activator inhibitor-1 null allele (PAI-1<sup>-</sup>) 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

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## – Genetics

+ [Serpine1<sup>tm1Mlg</sup>](#)

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## – Disease/Phenotype

+ [Disease Terms](#)

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+ [Research Areas By Genotype](#)

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+ [Mammalian Phenotype Terms by Genotype](#)

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+ [References](#)

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## – Technical Support

CHAT  OFFLINE

CONTACT TECHNICAL SUPPORT

### Genotyping Protocols

Standard PCR: [Serpine1<sup>tm1Mlg</sup>](#)

[Genotyping resources and troubleshooting](#)

### Mating System

Homozygote x Homozygote

### Appearance

black

Related Genotype: *a/a*

### Citation

When using the PAI-1<sup>-/-</sup> mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002507 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](#)*

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## – 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

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## Cryorecovery - Domestic Pricing

SERVICE	GENOTYPE	PRICE
Cryo Recovery	Heterozygous for Serpine1<tm1Mlg>	\$2,854.50

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	<a href="#">B6.129S2-Serpine1&lt;tm1Mlg&gt;/J Frozen Embryos</a>	\$2595.00
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## 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

[General Terms and Conditions](#)

Q U E S T I O N S   A B O U T   T E R M S   O F   U S E

## Licensing Information

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# TOMORROW'S CURES

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