

B6.Cg-Tg(CAG-Serpine1)1Dgi/J

Stock No: 007241

 Transgenic

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

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been implicated in the pathophysiology of numerous processes including atherosclerosis, obesity, tumorigenesis, wound healing, and fibrosis.

Donating Investigator

David Ginsburg, University of Michigan

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GENETIC OVERVIEW

Genetic Background

Generation

Tg(CAG-Serpine1)1Dgi

Alele Type

Transgenic (Inserted expressed sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Cardiovascular Research

Diabetes and Obesity Research

Cancer Research

Hematological Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

V I E W P R I C E L I S T

– Details

– Detailed Description

Mice that are hemizygous for this transgene are viable and fertile. Two amino acid substitutions more than triple the functional half-life of the protein and expression is increased approximately 170-fold over wild-type. Quantitative PCR reveals elevated expression in brain, heart, lung, liver, spleen, intestine, kidney, fat, skin, and muscle (strongest in liver, brain, heart and kidney). Immunohistochemistry reveals expression in kidney, liver, spleen, and lung. Tail loss by autoamputation occurs with an incidence of ~29%, and unkempt fur occurs with an incidence of ~41% in hemizygous mice. On rare occasion, a mouse will be runted, hairless, have wrinkled skin, and die within the first 3 weeks after birth. In addition to its role in hemostasis/thrombosis, this gene has been implicated in the pathophysiology of numerous processes including atherosclerosis, obesity, tumorigenesis, wound healing, and fibrosis.

+ Development

+ Expression Data

+ Selected References

– Genetics

+ Tg(CAG-Serpine1)1Dgi

– Disease/Phenotype

+ Disease Terms

+ [Research Areas By Phenotype](#)

+ [Mammalian Phenotype Terms by Genotype](#)

+ [References](#)

- Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintained as a live colony, hemizygotes may be bred with wildtype mice.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.Cg-Tg(CAG-Serpine1)1Dgi/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007241 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 or for more information.

Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Hemizygous or Non carrier for Tg(CAG-Serpine1)1Dgi	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6.Cg-Tg(CAG-Serpine1)1Dgi/J Frozen Embryos

\$2595.00

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.

THE JACKSON LABORATORY'S GENOTYPE PROMISE

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. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

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

ADDITIONAL USE RESTRICTIONS APPLY

[Use of MICE by companies or for-profit entities requires a license prior to shipping.](#)

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection



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Yes No