

STOCK *Tsv/J*

Stock No: **001829** | tail short variable

 Spontaneous Mutation

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

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retardation, and, in adults, a mild anemia.

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GENETIC OVERVIEW

Genetic Background

Generation

Tsv

Alele Type

Gene Symbol

Gene Name

Spontaneous

Tsv

variable short tail

VIEW GENETICS

RESEARCH APPLICATIONS

Developmental Biology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description

A new mouse mutant, tail short variable (*Tsv*) produces a reduction deformity of the tail, growth retardation, and, in adults, a mild anemia. Genetic and embryological studies show that on all genetic backgrounds there is variable viability of *Tsv/Tsv* and *Tsv/+* and phenotypic overlap within these and with *+/+*. A modifier is located to a short segment of chromosome 7, which alters the tail length of *Tsv/+* mice up to 15%. The modifier, *Tsv*, and a coat texture mutant come from the same wild Peru mouse. The tail deformity is associated with, and may be caused by, a vascular disruption of the caudal aorta starting on day 11 of gestation. Thus, *Tsv* appears to be different from each of the thirty known mouse mutants involving the tail. These mice may be useful as a mouse model for human conditions involving transverse terminal limb defects such as Moebius and de Lange syndromes. (Seller MJ; Wallace ME. 1993. *Teratology* 48 (4) 383-91.)

Control Suggestions

Genetics

Tsv

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Citation

When using the tail short variable mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #001829 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	Heterozygous or Wild-type for Tsv	\$2,854.50

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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.

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Email: TechTran@jax.org

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TOMORROW'S CURES



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