

B6;129P2-*Has2*^{tm1Jam}/J

Stock No: **007226**

 Targeted Mutation

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

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Donating Investigator

Todd D. Camenisch, University of Arizona

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GENETIC OVERVIEW

Genetic Background

Generation

Has2^{tm1Jam}

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Has2

hyaluronan synthase 2

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

Developmental Biology Research

Cancer Research

Cardiovascular Research

Cell Biology Research

Internal/Organ 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

While heterozygous mice are viable and fertile, mice homozygous for this targeted allele die between embryonic day (E)9.5 and E10.5. Embryonic mRNA expression from the targeted gene shows only truncated transcripts of the expected length, with no full-length mRNA expression. Homozygous embryos exhibit severe cardiac and vascular abnormalities, lack hyaluronan (HA), and have yolk sac and somite deformities. Heart deformities can be rescued in explants from homozygous mice following exogenous HA or activated H-Ras treatment. These Has2 mutant mice may be useful in studying embryogenesis and development, specifically cardiac and vascular morphogenesis, as well as cell transformation.

Development

Control Suggestions

Selected References

Genetics

Has2^{tm1Jam}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Technical Support

C O N T A C T T E C H N I C A L S U P P O R T

Genotyping Protocols

Separated PCR:[Has2](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, heterozygous mice may be bred together, or to wildtype siblings. Homozygous mice die *in utero*.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6;129P2-*Has2*^{tm1Jam}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007226 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 <i>Has2</i> <tm1Jam>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6;129P2-Has2<tm1Jam>/J Frozen Embryo

\$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.

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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

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection



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