

B6;129-*Postn*^{tm1Jmol}/J

Stock No: **009067**

 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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remodeling and hypertrophy.

Donating Investigator

Jeffery D. Molkentin, Cincinnati Children's Hospital

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GENETIC OVERVIEW

Genetic Background

Generation

Postn^{tm1Jmol}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Postn

Gene Name

periostin, osteoblast specific factor

VIEW GENETICS

RESEARCH APPLICATIONS

Cardiovascular 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

Homozygous targeted mutation mice are more prone to ventricular rupture in the first 10 days after a myocardial infarction, but surviving mice show less fibrosis and better ventricular performance. They also show less fibrosis and hypertrophy following long-term pressure overload. The developing feet and hearts of 1-day-old mice show no expression of protein. No significant protein is found in the extracellular matrix of the heart after postnatal development, although the valves show persistent expression within fibroblasts. Homozygotes are slightly smaller than wild-type and heterozygous animals. This strain may be useful in studies of cardiac remodeling and hypertrophy.

Development

Control Suggestions

Selected References

Genetics

Postn^{tm1Jmol}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR:[Postn STD PCR](#)

Probe:[Postn Probe](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

The donating investigator reports that homozygous females do not breed.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6;129-*Postn*^{tm1Jmol}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #009067 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 for <i>Postn</i> ^{tm1Jmol}	\$2,854.50

Related Products and Services

Frozen Mouse Embryo	B6;129- <i>Postn</i> ^{tm1Jmol} /J Frozen Embryo	\$2595.00
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Email: TechTran@jax.org

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