

**STOCK *Fgf2*<sup>tm1Doe</sup> /J**

Stock No: **003256** | *Fgf2* KO

 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

Thomas Doetschman, University of Arizona

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## GENETIC OVERVIEW

Genetic Background

Generation

*Fgf2*<sup>tm1Doe</sup>

**Alele Type**

**Gene Symbol**

**Gene Name**

Targeted (Null/Knockout)

*Fgf2*

fibroblast growth factor 2

VIEW GENETICS

## RESEARCH APPLICATIONS

Cell Biology Research

Cancer Research

Cardiovascular 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 homozygous for the *Fgf2*<sup>tm1Doe</sup> targeted-mutant allele have low blood pressure, presumably resulting from low vascular tone, increased megakaryocyte colony stimulation activity-induced megakaryocyte colony formation; increased platelet counts, and decreased IL3-induced colony formation. Vessel layer hypertrophy following vessel injury is not altered in the absence of FGF2. Cardiac hypertrophic response to induced high blood pressure is severely blunted in the absence of FGF2. Both sexes of the mutant exhibit no discernible morphologic or behavioral defects and have a normal life span. Both sexes are fertile and fecundity is normal.

#### Development

#### Control Suggestions

#### Selected References

### Genetics

#### *Fgf2*<sup>tm1Doe</sup>

### Disease/Phenotype

#### Disease Terms

#### Research Areas By Phenotype

#### Mammalian Phenotype Terms by Genotype

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Separated PCR:Fgf2

[Genotyping resources and troubleshooting](#)

Breeding Considerations

Homozygotes are viable and fertile. Prior to its arrival at The Jackson Laboratory, the donating investigator maintained the strain as an advanced intercross line by breeding non-sibling heterozygotes to avoid inbreeding. At The Jackson Laboratory, the strain was maintained similarly by intercrossing non-sibling heterozygotes. The donating investigator indicated that mice that carry this mutation may manifest developmental defects on a C57BL/6 background. Expected coat color from breeding: agouti and chinchilla.

[Additional Breeding and Husbandry Support](#)

Citation

When using the Fgf2 KO mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003256 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
<a href="#">Cryo Recovery</a>	Heterozygous or Homozygous or Wild-type for Fgf2<tm1Doe>, 1 pair minimum	\$2,854.50

## RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

STOCK Fgf2<sup>tm1Doe</sup>/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

### LICENSING INFORMATION

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

## Related Strains

All

By Allele

By Gene

By Collection



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# TOMORROW'S CURES



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