

B6;129-Fzd4^{tm1Nat}/J

Stock No: **012823**

 Targeted Mutation

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

PLACE ORDER

[Email](#) [Download PDF](#) [Help](#)

associated with severe ataxia. Mice also show an absence of a skeletal muscle sheath around the lower esophagus associated with progressive esophageal distension.

Donating Investigator

Jeremy Nathans, Johns Hopkins University

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

Fzd4^{tm1Nat}

Alele Type

Targeted (Reporter,
Null/Knockout)

Gene Symbol

Fzd4

Gene Name

frizzled class receptor 4

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research
Sensorineural Research
Cardiovascular 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

Homozygous *Fzd4* (frizzled homolog 4 (Drosophila)) mice have a congenital retinal hypovascularization, a progressive inner ear vascular atrophy, a defect in the blood brain barrier in the cerebellum, and a progressive cerebellar degeneration associated with severe ataxia. Mice also show an absence of a skeletal muscle sheath around the lower esophagus associated with progressive esophageal distension.

Development

Expression Data

Selected References

Genetics

Fzd4^{tm1Nat}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

[- 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

Standard PCR:[Fzd4](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintained as a live colony, heterozygotes may be bred. Homozygotes show reduced fertility and decreased viability.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6;129-*Fzd4*^{tm1Nat}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #012823 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 wildtype for <i>Fzd4</i> <tm1Nat>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6;129-Fzd4<tm1Nat>/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.

Terms Of Use

TERMS OF USE

[General Terms and Conditions](#)

QUESTIONS ABOUT TERMS OF USE

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection



DO YOU NEED BALB/c MICE?

Rely on JAX to provide the models you need, when you need them.

LEARN MORE



CONTACT



DONATE



SUBSCRIBE

JAX HOME CAREERS LEGAL INFORMATION

RESEARCH CENTERS MOUSE GENOME INFORMATICS

MOUSE PHENOME DATABASE

Leading the search for

TOMORROW'S CURES



©2021 THE JACKSON LABORATORY

Choose other country or region



Did you find what you were looking for?

Yes No