

B6.129-*Fign*^{tm1Frk}/Frk

Stock No: **004276** | fidget KO

 Congenic, 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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expression and the role of this gene in the development of many tissues including the inner ear, skeleton, eye, and specific neuronal segments.

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GENETIC OVERVIEW

Genetic Background

Generation

000664 C57BL/6J

Fign^{tm1Frk}

Alele Type

Gene Symbol

Gene Name

Targeted (Reporter,
Null/Knockout)

Fign

fidgetin

VIEW GENETICS

RESEARCH APPLICATIONS

Developmental Biology Research

Neurobiology Research

Sensorineural 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

This mutation causes partial prenatal lethality in homozygotes such that of 106 pups born from heterozygous intercrosses only 9 homozygotes were obtained. Three of the nine homozygotes survived to adulthood and all nine had at least one small eye. Those that survived to adulthood displayed the side-to-side head shaking also found in fidget mutants, but did not display the circling behavior. Cox *et al* (2000) postulated that this may be due to the retention of the 300 N-terminal amino acids in this targeted allele, which may retain some function. *Fign^{fl}/Fign^{tm1Frk}* compound heterozygotes have incomplete penetrance and reduced expressivity such that only seven of fourteen displayed the side-to-side head shaking, but not much circling, and five had at least one small eye. All had missing or smaller horizontal semicircular canals of the inner ears.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Fign^{tm1Frk}

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

Separated PCR:[Fig](#)

Standard PCR:[Generic Neo](#)

Standard PCR:[Generic LacZ Melt Curve Analysis](#)

Probe:[Generic Neo](#)

Probe:[Generic LacZ Probe](#)

[Genotyping resources and troubleshooting](#)

Appearance

black

Related Genotype: *a/a* +/+ or *a/a Fign^{tm1Frk}* /+

Citation

When using the fidget KO mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #004276 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

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CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT

DESCRIPTION

PRICE

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6.129-Fign<tm1Frk>/Frk

\$2595.00

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Email: TechTran@jax.org[Related Strains](#)

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By Allele

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By Collection



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