STOCK stb + a/+ Fign\textsuperscript{fl} a/J

Stock No: 000312 | fidget

Spontaneous Mutation

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

Also Known As: fidget
These mice carry a spontaneous mutation at the Fign locus characterized by head tossing and circular running. Fidget mice also have insufficient growth of the retinal neural epithelium resulting in small eyes, and skeletal abnormalities, including pelvic girdle dysgenesis, skull bone fusions and polydactyly.

READ MORE +

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>a</td>
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<tr>
<td>Allele Type</td>
<td>Gene Symbol</td>
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<tr>
<td>Spontaneous</td>
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VIEW GENETICS

RESEARCH APPLICATIONS
Developmental Biology Research
Neurobiology Research
Sensorineural Research
Details

Detailed Description

Mice homozygous for the fidget spontaneous mutation (Fign<sup>fl</sup>) toss their heads from side to side and tend to run in circles. Homozygous fidget mice are hypersensitive to sound in early life, but later lose hearing ability. Corneal lesions are common, and hind foot polydactylyism occurs. The bony labyrinth is quite defective. Other abnormalities including small eyes, absence of lacrimal glands, dislocation of the hip, and displaced parafloccular lobes of the cerebellum. Viability of homozygotes is usually less than normal and fertility is poor. The STOCK is also carrying the stubby spontaneous mutation (stb). Homozygous stubby mice are recognizable at 4 or 5 days by a domed head and thick short tail. Adult stubby mice have shorter heads, bodies, and legs compared to wildtype mice. Most females are fertile but males do not breed. Male mice do produce normal numbers of motile sperm. Cartilage histology is within normal limits, but chondrogenesis stops earlier than in normal animals.

Development

Control Suggestions

Genetics

a

stb

Fign<sup>fl</sup>

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References
Technical Support

Genotyping Protocols
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, mice can be bred, with progeny testing, heterozygote x heterozygote for stb in repulsion with f1, and heterozygote x heterozygote for f1 in repulsion with stb. These genes are linked on chromosome 2 in the following order: stb Fgn^f1 a. Homozygous stb males are sterile. There is decreased viability in mice homozygous for Fgn^f1. Homozygous Fgn^f1 males may need to be removed from the cage when the female is pregnant.

Additional Breeding and Husbandry Support

Appearance
black
Related Genotype: a/a

Citation
When using the mouse strain in a publication, please cite the originating article(s) and include JAX stock #000312 in your Materials and Methods section.

Facility Barrier Level Descriptions
Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

Pricing & Availability

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

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<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous for stb, Heterozygous for Fgn^f1, Homozygous for a</td>
<td>$2,595.00</td>
</tr>
</tbody>
</table>

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order will be placed.
order and fee will be necessary. Cryorecovery to establish a Dedicated Supply for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

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Phone: 207-288-6470
Email: TechTran@jax.org

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All

By Allele

By Gene

By Collection

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