B6;129S-Gfap<sup>tm1Mes</sup>/J

Stock No: 002642 | GFAP KO

Targeted Mutation

CRYO RECOVERY

PLACE ORDER

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

Also Known As: GFAP KO

These Gfap knock-out mice exhibit a reduced number of intermediate filaments in astrocytes.

Donating Investigator

Dr. Albee Messing, University of Wisconsin-Madison

READ MORE +

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>Gfap&lt;sup&gt;tm1Mes&lt;/sup&gt;</td>
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<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tr>
<td>Targeted (Null/Knockout)</td>
<td>Gfap</td>
<td>glial fibrillary acidic protein</td>
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VIEW GENETICS

Neurobiology Research

VIEW ALL RESEARCH APPLICATIONS

Starting at:

$2,595.00 Domestic price Cryo Recovery
Details

**Detailed Description**

Mice homozygous for the Gfap<sup>tm1Me</sup> targeted mutation are viable and fertile. Homozygous mutant mice show subtle changes in astrocyte morphology, CNS physiology, and enhanced LTP of both population spike amplitude and EPSP slope compared to control mice. Homozygotes are also hypersensitive to cervical spinal cord injury. These mice may be useful in studies dealing with transplantation, injury, or astrocyte biology.

**Development**

**Control Suggestions**

**Selected References**

**Genetics**

**Gfap<sup>tm1Mes</sup>**

**Disease/Phenotype**

**Disease Terms**

**Research Areas By Genotype**

**Mammalian Phenotype Terms by Genotype**

**References**

**Technical Support**

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**Genotyping Protocols**

Standard PCR: Gfap<sup>tm1Mes</sup>

Genotyping resources and troubleshooting

**Breeding Considerations**

This strain may be maintained by mating homozygous siblings. The expected coat color is black.

Additional Breeding and Husbandry Support
Appearance
white-bellied agouti
Related Genotype: A"n/A"n
Citation
When using the GERP-KO mouse strain in a publication, please cite the originating article(s) and include JAX stock #002642 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.

<table>
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<tr>
<th>Service</th>
<th>Genotype</th>
<th>Price</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous for Gfap&lt;tm1Mes&gt;</td>
<td>$2,595.00</td>
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</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 and fee will be necessary.

Cryo recovery 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.

Related Products and Services

<table>
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<tr>
<th>Product</th>
<th>Price</th>
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<tbody>
<tr>
<td>Frozen Mouse Embryo</td>
<td>$2,595.00 per straw or vial</td>
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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.

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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.

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Terms of Use
General Terms and Conditions

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

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All Related Strains