FVB.Cg-Tg(XGFAP-lacZ)3Mes/J

Stock No: 003487

Congenic, Transgenic

REQUEST CRYORECOVERY

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

These GFAP-lacZ (line7-2) mice express a transgene containing lacZ and the human glial fibrillary acidic protein (GFAP) promoter driving astrocyte-specific transcription in cultured cells.

Donating Investigator

IMR Colony, The Jackson Laboratory

READ MORE +

GENETIC OVERVIEW

<table>
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<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td>Tg(XGFAP-lacZ)3Mes</td>
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Allele Type

Transgenic (Reporter)

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

Neurobiology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

$2,595.00 Domestic price Cryo Recovery
Details

Important Note
This strain is homozygous for the retinal degeneration allele Pde6b<sup>rd1</sup>.

Detailed Description
Mice carrying this transgene express beta galactosidase in the nuclei of astrocytes. The donating investigator reports that more recent studies on this particular line indicate low level expression of the lacZ reporter gene in many neuronal populations as well. The transgene integrated on the X chromosome and therefore undergoes X-inactivation. This strain may be useful for cell culture and transplantation studies.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(XGFAP-lacZ)3Mes

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols
Standard PCR: Generic LacZ
Separated PCR: Tg(XGFAP-lacZ)3Mes
Genotyping resources and troubleshooting
Breeding Considerations
The transgene is on the X chromosome. When maintaining a live colony, hemizygous mice may be bred together, to wildtype (non-carrier) mice from the colony or to FVB/NJ inbred mice (Stock No. 001800). The expected coat color from breeding is albino.

Appearance
albino
Related Genotype: Tyr<sup>c</sup>/Tyr<sup>c</sup>

Citation
When using the FVB.Cg-Tg(XFAP-lacZ)3Mes/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #003497 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>Cryorecovery - Domestic Pricing</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tr>
<td>Cryo Recovery</td>
<td>Females will be hemizygous and males will be non-carrier for Tg(XFAP-lacZ)3Mes</td>
<td>$2,595.00</td>
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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.

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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<tr>
<th>Related Products and Services</th>
<th>Price</th>
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<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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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.

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

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All Related Strains
Leading the search for
TOMORROW'S CURES

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