FVB(Cg)-Tg(Ghrhr-cre)3242Lsk/J

Stock No: 011034

Transgenic

CRYO RECOVERY

PLACE ORDER

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

Overview

These transgenic mice express Cre recombinase under the control of the rat growth hormone releasing hormone receptor (Ghrhr). Cre recombinase expression is detected in the pituitary, specifically in cells of the Pou1f1(Pit1) lineage. This strain represents an effective tool for generating tissue specific-targeted mutants that would be useful in studies of pituitary development.
Donating Investigator
Lawrence Kirschner, Ohio State University

GENETIC OVERVIEW

<table>
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<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td>Tg(Ghrhr-cre)3242Lsk</td>
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Allele Type
Transgenic (Recombinase-expressing)

RESEARCH APPLICATIONS
Research Tools

BASE PRICE
Starting at:
32,854.50 Domestic price Cryo Recovery

Details

Detailed Description
Hemizygous mice are viable, fertile, normal in size, and do not display any gross physical or behavioral abnormalities. Transgenic mice express Cre recombinase under the control of the rat growth hormone releasing hormone receptor (Ghrhr). Cre recombinase expression is detected in the anterior pituitary as early as E13.5 and specifically in cells of the Pou1f1(Pit1) lineage, somatotrophs, lactotrophs and thyrotrophs. Expression also is found in vibrissae, part of the eyelid and ear, and in hair follicles of the proximal limb, but not in other tissues tested. When crossed with a strain containing loxP site flanked sequences, Cre-mediated recombination results in deletion of flanked sequences in the offspring.

Development

Expression Data
Genotyping Protocols
MELT: Tg(Ghrhr-cre)3242Lsk alternate1
Probe: Gt(rosa)26osor1m15or Probe
Genotyping resources and troubleshooting

Breeding Considerations
While maintaining a live colony, these mice are bred as hemizygotes.
Additional Breeding and Husbandry Support

Citation
When using the RHB/En, Tg(Ghrhr-cre)3242Lsk/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #011036 in your Materials and Methods section.

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.
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.

### Related Products and Services

<table>
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<tr>
<th>Product</th>
<th>Price</th>
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<tr>
<td>Frozen Mouse Embryo</td>
<td>$2,595.00</td>
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</table>

### 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.

### Terms Of Use

**Terms of Use**

**General Terms and Conditions**

Licensing Information

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

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Related Strains

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<tr>
<td>By Allele</td>
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<td>By Gene</td>
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All Related Strains