B6;FVB-Tg(Adipoq-cre)1Evdr/J

Stock No: 010803 | Adipoq-Cre

Congenic, 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

Also Known As: Adipoq-Cre

A C57BL/6J congenic version of this strain is available as Stock No. 028020.

Mice harboring the Adipoq-Cre BAC transgene express Cre recombinase under control of the mouse adiponectin (Adipoq)
promoter/enhancer regions within the BAC transgene. Adipoq-Cre BAC transgenic mice are a Cre-lox tool for deletion of floxed sequences in white adipose tissue and brown adipose tissue, but not in activated or resident macrophages.

Donating Investigator
Evan D Rosen, Beth Israel Deaconess Medical Center and Harvard Medical School

GENETIC OVERVIEW

<table>
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<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td>Tg(Adipoq-cre)1Evdr</td>
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Allele Type
Transgenic (Recombinase-expressing)

RESEARCH APPLICATIONS

Research Tools
Cardiovascular Research
Metabolism Research
Endocrine Deficiency Research
Internal/Organ Research

RESEARCH APPLICATIONS

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE
Starting at:
$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

Mice hemizygous for this Adipoq-Cre BAC transgene are viable and fertile, with expression of a Cre recombinase directed to adipose tissue by the promoter/regulatory regions of the mouse adiponectin (Adipoq) locus on the BAC transgene. Transcription/translation from the BAC Adipoq locus is disabled, and Cre recombinase expression levels are similar to that of endogenous Adipoq expression. These mice express Cre recombinase effectively in white adipose tissue (WAT) and brown adipose tissue (BAT), but not in...
Genotypes (including adipose-tissue resident macrophages, alveolar macrophages, or thioglycollate-stimulated peritoneal macrophages). The donating investigator reports highly efficient Cre recombinase activity, with no ectopic expression. The phenotype of homozygous mice was not determined by the donating investigator. These Adipoq-Cre BAC transgenic mice may be useful in generating conditional mutations for studying adipose tissue function and storage, obesity, and other metabolic diseases.

Genotyping Protocols
MELT: Tg(Adipoq-cre)1Evdr
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, transgene carrier mice may be bred to wildtype (noncarrier) mice from the colony or to C57BL/6J inbred mice (Stock No. 000664). The donating investigator has not attempted to generate homozygous mice.

Additional Breeding and Husbandry Support

Mating System
Noncarrier x Hemizygote
Hemizygote x Noncarrier
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.

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<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tr>
<td>Cryo Recovery</td>
<td>Hemizygous or non carrier for Tg(Adipoq-cre)1Evdr</td>
<td>$2,854.50</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.

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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