

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

Stock No: **010803** | Adipoq-Cre

 Congenic, Transgenic

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

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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

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GENETIC OVERVIEW

Genetic Background

Generation

Tg(Adipoq-cre)1Evdr

Allele Type

Transgenic (Recombinase-expressing)

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

Cardiovascular Research

Metabolism Research

Endocrine Deficiency Research

Internal/Organ Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

V I E W P R I C E L I S T

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 macrophages (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.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(Adipoq-cre)1Evdv

Disease/Phenotype

Disease Terms

[+ Research Areas By Phenotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

[- Technical Support](#)

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR:[Tg\(Adipoq-cre\)1Evd](#)

[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

Citation

When using the Adipoq-Cre mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #010803 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, [G200](#)

[- Pricing & Availability](#)



Cryo
Recovery

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Domestic **International**

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Hemizygous or non carrier for Tg(Adipoq-cre)1EvdR	\$2,854.50

RELATED PRODUCTS AND SERVICES		
Frozen Mouse Embryo	B6;FVB-Tg(Adipoq-cre)1EvdR/J	\$2595.00

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LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

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