

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

Stock No: **028020** | Adipoq-Cre

 Congenic, Transgenic

Live mice available in varying quantities. Ask Customer Service for details.

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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

[N15+pN13F1](#)
(2020-04-29 00:00:00)

Tg(Adipoq-cre)1Evdr

Alele Type

Transgenic (Recombinase-expressing)

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

Cardiovascular Research

Metabolism Research

Internal/Organ Research

Endocrine Deficiency Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$255.00 Domestic price for female 4-week

333.51 Domestic price for breeder pair

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.

In an attempt to offer alleles on well-characterized or multiple genetic backgrounds, alleles are frequently moved to a genetic background different from that on which an allele was first characterized. It should be noted that the phenotype could vary from that originally described. We will modify the strain description if necessary as published results become available.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(Adipoq-cre)1Evdr

– Disease/Phenotype

+ [Disease Terms](#)

+ [Research Areas By Phenotype](#)

+ [Mammalian Phenotype Terms by Genotype](#)

+ [References](#)

– Technical Support

C O N T A C T T E C H N I C A L S U P P O R T

Genotyping Protocols

Probe: [Generic Cre Probe](#)

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

[Genotyping resources and troubleshooting](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

Transgenic mice were bred to C57BL/6J inbred mice (Stock No. [000664](#)) for several generations to establish this congenic strain. When maintaining the live congenic colony, transgene carrier mice may be bred to wildtype (noncarrier) mice from the colony or to C57BL/6J inbred mice (Stock No. [000664](#)). To date (July 2015), it has not been attempted to make this strain homozygous.

[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 #028020 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX10 \(Standard\)](#)

– Pricing & Availability



Live mice available in varying quantities. Ask Customer Service for details.

Available

Domestic | International

Pricing effective for USA, Canada and Mexico shipping destinations

LIVE MOUSE

AGE	SEX	GENOTYPE	PRICE
4 weeks	Female	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
	Male	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
4 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
5 weeks	Female	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
	Male	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
5 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
6 weeks	Female	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
	Male	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
6 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
7 weeks	Female	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
	Male	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
7 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
8 weeks	Female	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
	Male	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
8 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
9 weeks	Female	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
	Male	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
9 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
10 weeks	Female	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
	Male	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
10 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
11 weeks	Female	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
	Male	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00

11 weeks	Female	Noncarrier	\$78.51
	SEX		
	Male	Noncarrier	\$78.51
12 weeks	Female	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
	Male	Hemizygous for Tg(Adipoq-cre)1Evdr	\$255.00
12 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51

BREEDER PAIR			
SEX	GENOTYPE		PRICE
Female	Hemizygous for Tg(Adipoq-cre)1Evdr		\$333.51
Male	Noncarrier		
Female	Noncarrier		\$333.51
Male	Hemizygous for Tg(Adipoq-cre)1Evdr		

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Email: TechTran@jax.org

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