

C57BL/6-Tg(Pdgfra-cre)1Clc/J

Stock No: 013148 | PDGFRa-CRE

Coisogenic, Transgenic

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

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promoter/enhancer elements of the *Pdgfra* gene. These mice may be useful for generating conditional mutations for studying retinal degeneration, retinitis pigmentosa, macular degeneration, and the role of Muller glial cells in progressive neuronal cell death.

Donating Investigator

Connie Cepko, Harvard Medical School, HHMI

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

F?+N1F20
(2020-04-28 00:00:00)

Tg(Pdgfra-cre)1Clc

Allele Type

Transgenic (Recombinase-expressing)

VIEW GENETICS

RESEARCH APPLICATIONS

Sensorineural Research

Research Tools

Mouse/Human Gene Homologs

Developmental Biology 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

Hemizygous *Pdgfra-cre* mice are viable and fertile, with *cre* expression directed to retinal Muller glial cells by the mouse *Pdgfra* (platelet derived growth factor receptor, alpha polypeptide) promoter. Expression is predominantly in the cell bodies of the inner nuclear layer (INL) of the retina, but some expression may be observed in the outer nuclear layer (ONL) and in the ganglion cell layer (GCL). The donating investigator indicates that although not examined, *cre* may also be active in many types of central nervous system glial cells. When bred with mice containing a loxP-flanked sequence of interest, Cre-mediated recombination will result in deletion of the floxed sequence(s) in the offspring.

Development

Expression Data

Control Suggestions

Genetics

Tg(*Pdgfra-cre*)1Clc

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

Standard PCR:[Generic Cre](#)

Standard PCR:[Tg\(Pdgfra-cre\)](#)

[Genotyping resources and troubleshooting](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

When maintaining a live colony, hemizygous mice may be bred to wildtype (noncarriers) from the colony or C57BL/6NJ inbred mice (Stock No. [005304](#)).

[Additional Breeding and Husbandry Support](#)

Mating System

Hemizygote x Noncarrier

Citation

When using the PDGFRA-CRE mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #013148 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**

LIVE MOUSE

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

12 weeks	Female	Noncarrier	\$78.51
	SEX		
	Male	Noncarrier	\$78.51

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

RELATED PRODUCTS AND SERVICES		
Frozen Mouse Embryo	C57BL/6-Tg(Pdgfra-cre)1Clc/J Frozen Embryo	\$2595.00

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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Terms Of Use

TERMS OF USE

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ADDITIONAL USE RESTRICTIONS APPLY

[Use of MICE by companies or for-profit entities requires a license prior to shipping.](#)

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection



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