

B6.FVB-Tg(Pdgfrb-TK*)1Rkl/J

Stock No: **029924** | PDGFRb-TK on B6

 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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Donating Investigator

Raghu Kalluri, University of Texas MD Anderson Cancer Center

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GENETIC OVERVIEW

Genetic Background

Generation

Tg(Pdgfrb-TK*)1Rkl

Alele Type

Transgenic (Inserted expressed sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Cancer Research
Research Tools

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

These PDGFRb-TK transgenic mice express a truncated *TK*, herpes simplex 1 virus thymidine kinase, gene under control of the mouse *Pdgfrb* (platelet derived growth factor receptor, beta polypeptide) gene promoter. This strain allows Ganciclovir-inducible ablation of proliferating cells (pericytes) that express *Pdgfrb*. In vitro efficacy assessment of the PDGFRb-TK transgene (immunofluorescence) of cells isolated from ears of transgenic mice demonstrated dose-dependent Ganciclovir treatment ablates 60% of *Pdgfrb* expressing cells (pericytes). Hemizygotes are viable and fertile. Homozygous viability/fertility has not been tested (October 2017).

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.

The PDGFRb-TK transgenic mice are also available on a BALB/c congenic background (Stock No. [031157](#)).

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(Pdgfrb-TK*)1Rkl

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

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, hemizygous mice may be bred together, to wildtype siblings, or to C57BL/6J inbred mice (Stock No. [000664](#)). The Donating Investigator has not attempted to make the strain homozygous. Homozygous viability/fertility has not been tested (October 2017).

[Additional Breeding and Husbandry Support](#)

Mating System

Noncarrier x Hemizygote

Hemizygote x Noncarrier

Citation

When using the PDGFRb-TK on B6 mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #029924 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

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

Domestic | **International**

Pricing effective for USA, Canada and Mexico shipping destinations

Cryorecovery - Domestic Pricing

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Hemizygous or noncarrier for Tg(Pdgfrb-TK*)1Rkl	\$2,854.50

Related Products and Services		
Frozen Mouse Embryo	B6.FVB-Tg(Pdgfrb-TK*)1Rkl/J	\$2595.00

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Terms Of Use

[General Terms and Conditions](#)

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Email: TechTran@jax.org

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By Gene

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