

## FVB-Tg(tetO-Ppargc1b)7Dpk/J

Stock No: 012385

 Coisogenic, Transgenic

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

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mated to a mutant strain expressing reverse tetracycline-controlled transactivator protein (rtTA) or tetracycline-controlled transactivator protein (tTA), tissue *Ppargc1b* expression may be regulated with the tetracycline analog doxycycline (dox) in the double mutant offspring. This "high expressor" strain may be useful in studies further characterizing the signaling role of the transgene as it pertains to physiology and disease, particularly mitochondrial function.

### Donating Investigator

Daniel Kelly, Burnham Institute for Medical Research

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## GENETIC OVERVIEW

Genetic Background

Generation

### Tg(tetO-Ppargc1b)7Dpk

#### Alele Type

Transgenic (Inducible, Inserted expressed sequence)

VIEW GENETICS

## RESEARCH APPLICATIONS

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 transgenic mice express *Ppargc1b* (peroxisome proliferative activated receptor, gamma, coactivator 1 beta) regulated by the tetracycline operator (tetO; also called tetracycline-responsive element (TRE, TetRE) or tet-operator). When mated to a mutant strain expressing reverse tetracycline-controlled transactivator protein (rtTA) or tetracycline-controlled transactivator protein (tTA), tissue *Ppargc1b* expression may be regulated with the tetracycline analog doxycycline (dox) in the double mutant offspring. This "high expressor" strain may be useful in studies further characterizing the signaling role of the transgene as it pertains to physiology and disease, particularly mitochondrial function.

#### Development

#### Expression Data

#### Control Suggestions

### Genetics

#### Tg(tetO-Ppargc1b)7Dpk

### 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 maintained as a live colony, hemizygous males may be bred with wildtype females. The donating laboratory reports having difficulty preserving expression when using a female hemizygote in the cross (possibly an imprinting phenomenon).

[Additional Breeding and Husbandry Support](#)

Citation

When using the FVB-Tg(tetO-Ppargc1b)7Dpk/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #012385 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
<a href="#">Cryo Recovery</a>	Hemizygous or Non carrier for Tg(tetO-Ppargc1b)7Dpk	\$2,854.50

## RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

FVB-Tg(tetO-Ppargc1b)7Dpk/J

\$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.

## THE JACKSON LABORATORY'S GENOTYPE PROMISE

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. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

## Terms Of Use

### TERMS OF USE

[General Terms and Conditions](#)

Q U E S T I O N S   A B O U T   T E R M S   O F   U S E

### 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](mailto:TechTran@jax.org)

## Related Strains

All

By Allele

By Gene

By Collection



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