

## FVB-Tg(Myh6/tetO-PRKCA\*)1Jmk/J

Stock No: 010580

 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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transgenic mice expressing a tetracycline transactivator or reverse transactivator protein, cardiac-specific expression of the rabbit cDNA can be controlled by withdrawal or administration of a tetracycline analog.

### Donating Investigator

Jeffery D. Molkenin, Cincinnati Children's Hospital

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## GENETIC OVERVIEW

Genetic Background

Generation

### Tg(Myh6/tetO-PRKCA\*)1Jmk

#### Alele Type

Transgenic (Inducible, Dominant negative, 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 a dominant negative form of rabbit PRKCA (protein kinase C, alpha) under the control of an inducible mouse *Myh6* (myosin, heavy polypeptide 6, cardiac muscle, alpha) minimal promoter. When bred with transgenic mice expressing a tetracycline transactivator or reverse transactivator protein, cardiac-specific expression of the rabbit cDNA can be controlled in the offspring by withdrawal or administration of a tetracycline analog. When crossed with a transcriptional transactivator (tTA) line in the absence of doxycycline, the mice develop a mild cardiomyopathy.

#### Development

#### Expression Data

#### Selected References

### Genetics

#### Tg(Myh6/tetO-PRKCA\*)1Jmk

### Disease/Phenotype

#### Disease Terms

#### Research Areas By Phenotype

#### Mammalian Phenotype Terms by Genotype

- 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: [Tg\(Myh6/tetO-PRKCA\\*\)](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintained as a live colony, hemizygotes may be bred.

[Additional Breeding and Husbandry Support](#)

Citation

When using the FVB-Tg(Myh6/tetO-PRKCA\*)1Jmk/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #010580 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(Myh6/tetO-PRKCA*)1Jmk	\$2,854.50

RELATED PRODUCTS AND SERVICES

## 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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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)

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All

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By Gene

By Collection



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