

## B6.FVB-Tg(Pdx1-cre)6Tuv/J

Stock No: **014647** | Pdx-Cre

 Congenic, Transgenic

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

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for generating pancreas-specific conditional mutations.

### Donating Investigator

Andrew M. Lowy, University of California, San Diego

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## GENETIC OVERVIEW

### Genetic Background

### Generation

N15+pN2F6  
(2019-12-31 00:00:00)

## Tg(Pdx1-cre)6Tuv

### Alele Type

Transgenic (Recombinase-expressing)

VIEW GENETICS

## RESEARCH APPLICATIONS

### Research Tools

VIEW ALL RESEARCH APPLICATIONS

## BASE PRICE

Starting at:

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\$255.00 Domestic price for female 4-week

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333.51 Domestic price for breeder pair

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V I E W   P R I C E   L I S T

### Details

#### Detailed Description

Mice hemizygous for the transgenic insert are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. These transgenic mice express Cre recombinase under the control of the mouse *Pdx1* (pancreatic and duodenal homeobox 1) promoter. Mosaic Cre recombinase activity is detected in the pancreatic epithelium, antral stomach and duodenum in neonates and in pancreatic beta islet cells in adults. No Cre recombinase activity is detected ectopically to the *Pdx1* expression domain. When crossed with a strain containing *loxP* site-flanked sequences, Cre-mediated recombination results in deletion of the floxed sequences in the cre-expressing tissues of the offspring. It is not known if homozygotes are viable.

#### Development

#### Expression Data

#### Control Suggestions

#### Selected References

### Genetics

#### Tg(Pdx1-cre)<sup>6</sup>Tuv

### Disease/Phenotype

#### Disease Terms

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[+ Research Areas By Phenotype](#)

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[+ Mammalian Phenotype Terms by Genotype](#)

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[+ References](#)

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## [- 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\(Pdx1-cre\)<sup>6</sup>Tuv](#)

QPCR:[Tg\(Pdx1-cre\)<sup>6</sup>Tuv](#)

[Genotyping resources and troubleshooting](#)

### Dietary Information

LabDiet® 5K52 formulation (6% fat)

### Breeding Considerations

When maintaining a live colony, these mice can be bred as hemizygotes. It is not known if homozygotes are viable.

### [Additional Breeding and Husbandry Support](#)

#### Mating System

Noncarrier x Hemizygote

Hemizygote x Noncarrier

### Citation

When using the Pdx-Cre mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #014647 in your Materials and Methods section.

### Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX10 \(Standard\)](#)

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## [- 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(Pdxl-cre)6Tuv	\$255.00
	Male	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
4 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
5 weeks	Female	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
	Male	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
5 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
6 weeks	Female	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
	Male	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
6 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
7 weeks	Female	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
	Male	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
7 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
8 weeks	Female	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
	Male	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
8 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
9 weeks	Female	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
	Male	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
9 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
10 weeks	Female	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
	Male	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
10 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
11 weeks	Female	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
	Male	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
11 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
12 weeks	Female	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
	Male	Hemizygous for Tg(Pdxl-cre)6Tuv	\$255.00
12 weeks	Female	Noncarrier	\$78.51

SEX

Noncarrier

\$78.51

## BREEDER PAIR

SEX	GENOTYPE	PRICE
Female	Hemizygous for Tg(Pdx1-cre)6Tuv	\$333.51
Male	Noncarrier	
Female	Noncarrier	\$333.51
Male	Hemizygous for Tg(Pdx1-cre)6Tuv	

## RELATED PRODUCTS AND SERVICES

<a href="#">Frozen Mouse Embryo</a>	B6.FVB-Tg(Pdx1-cre)6Tuv/J Frozen Embryo	\$2595.00
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## 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

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QUESTIONS ABOUT TERMS OF USE

## 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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