

C57BL/6-Tg(Pmch-cre)1Rck/J

Stock No: 024034

 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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Donating Investigator

Jeffrey Friedman, Rockefeller University

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GENETIC OVERVIEW

Genetic Background

Generation

Tg(Pmch-cre)1Rck

Alele Type

Transgenic (Recombinase-expressing)

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

Research Tools

Endocrine Deficiency Research

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

Mice hemizygous for the BAC (*Pmch-cre*) transgene are viable and fertile. These mice have a wild-type mouse pro-melanin-concentrating hormone (*Pmch*) promoter directing expression of Cre-recombinase to lateral hypothalamus melanin-concentrating hormone neurons. When crossed with a strain containing a *loxP* site-flanked sequence, Cre-mediated recombination results in deletion of the flanked sequence in neurons of the lateral hypothalamus.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(*Pmch-cre*)1Rck

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

Probe: [Generic Cre Probe](#)

Standard PCR: [Tg\(Pmch-cre\)1Rck](#)

Standard PCR: [Generic Cre Melt Curve Analysis](#)

Standard PCR: [Tg\(Pmch-cre\)1Rck alternate1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, hemizygous mice may be bred to wildtype (non-carrier) mice from the colony or to C57BL/6J inbred mice (Stock No. [000664](#)).

[Additional Breeding and Husbandry Support](#)

Citation

When using the C57BL/6-Tg(Pmch-cre)1Rck/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #024034 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

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

C57BL/6-Tg(Pmch-cre)1Rck/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](#)

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[Related Strains](#)

All

By Allele

By Gene

By Collection



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