

C57BL/6J-*Fbxl21*^{Psttm}/JtJ

Stock No: 016171

 Chemically Induced Mutation, Coisogenic

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

Dr. Joseph S. Takahashi, Univ Texas Southwestern Medical Ctr

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GENETIC OVERVIEW

Genetic Background

Generation

Fbxl21^{Psttm}

Allele Type

Chemically induced (ENU)

Gene Symbol

Fbxl21

Gene Name

F-box and leucine-rich repeat protein 21

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology 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

The semi-dominant past-time (*Psttm*) mutation of the *Fbxl21* (F-box and leucine-rich repeat protein 21) gene was identified in an ENU mutagenesis screen for circadian rhythm mutants. A G149E amino acid change was introduced to exon 5. Homozygotes have a circadian free running period of 22.8 hours as measured by activity on a running wheel (23.7 hours in wildtype controls).

Development

Selected References

Genetics

Fbxl21^{Psttm}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintained as a live colony, heterozygotes or homozygotes may be bred.

[Additional Breeding and Husbandry Support](#)

Citation

When using the C57BL/6J-*Fbx/21*^{Psttm}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #016171 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	Heterozygous or wildtype for <i>Fbx/21</i> <Psttm>	\$2,854.50

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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.

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

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LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection





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TOMORROW'S CURES



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Yes No