

C57BLKS/J-Cacna2d2^{du-2J}/LetJ

Stock No: **008625**

 Coisogenic, Spontaneous Mutation

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

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dependent calcium channels.

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GENETIC OVERVIEW

Genetic Background

Generation

Cacna2d2^{du-2J}

Alele Type

Spontaneous

Gene Symbol

Cacna2d2

Gene Name

calcium channel, voltage-dependent, alpha 2/delta subunit 2

VIEW GENETICS

RESEARCH APPLICATIONS

Cell Biology Research

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

Mice homozygous for ducky-2J mutation exhibit ataxia and paroxysmal dyskinesia, however, they lack the "ducky" gait found in mice homozygous for the ducky allele (*du*). EEG recordings reveal infrequent bilateral spike wave discharges accompanied by behavioral arrest. Absence seizures are increased in comparison to ducky mice (personal communication). This strain may be useful for studies of epilepsy and voltage-dependent calcium channels.

Development

Genetics

Cacna2d2^{du-2J}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols

Pyrosequencing: [Cacna2d2](#)

Sanger sequencing: [Cacna2d2-SEQ](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice are bred as heterozygotes.

[Additional Breeding and Husbandry Support](#)

Citation

When using the C57BLKS/J-*Cacna2d2*^{du-2J}/LetJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #008625 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 Wild-type for <i>Cacna2d2</i> <du-2J>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	C57BLKS/J- <i>Cacna2d2</i> <du-2J>/LetJ	\$2595.00
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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.

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.

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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

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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