

B6.129S4-*Csnk1d*^{tm1.1Drw}/J

Stock No: **010923**

 Congenic, Targeted Mutation

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

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circadian rhythm and behavior.

Donating Investigator

David R. Weaver, Univ of Massachusetts Medical School

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GENETIC OVERVIEW

Genetic Background

Generation

Csnk1d^{tm1.1Drw}

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Csnk1d

casein kinase 1, delta

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

Developmental Biology 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 that are heterozygous for the targeted mutation are viable, fertile, normal in size and do not display any gross physical abnormalities. Homozygotes die during late gestation and perinatally, with no homozygotes at weaning age. Homozygous embryos are smaller (approximately 30% less than control weight) than wild-type controls at embryonic day 18-19. A truncated non-functional gene product (protein), lacking residues 26 to 62, is detected by Western blot analysis and cotransfection assays of homozygotes. The truncated protein does not phosphorylate or degrade PER1, period homolog 1 (*Drosophila*), and PER2, period homolog 2 (*Drosophila*), proteins. After being kept in constant darkness for 10 days, heterozygotes exhibit a longer free-running period than wild-type controls.

Development

Selected References

Genetics

Csnk1d^{tm1.1Drw}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Separated PCR:[Csnk1d](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice can be bred as heterozygotes. Homozygotes die during late gestation and perinatally, with no homozygotes at weaning age.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.129S4-*Csnk1d*^{tm1.1Drw}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #010923 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>Csnk1d</i> <tm1.1Drw> | \$2,854.50 |

RELATED PRODUCTS AND SERVICES

| | | |
|-------------------------------------|--------------------------------------|-----------|
| Frozen Mouse Embryo | B6.129S4- <i>Csnk1d</i> <tm1.1Drw>/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

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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

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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TOMORROW'S CURES



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