


129S-Catsper4^{tm1Clph} /J
Stock No: **006821** | CatSper4-
 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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Donating Investigator

David Clapham, Janelia Research Campus, Howard Hughes Medical Institute

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GENETIC OVERVIEW

Genetic Background Generation

Catsper4^{tm1Clph}

Alele Type	Gene Symbol	Gene Name
Targeted (Null/Knockout)	<i>Catsper4</i>	cation channel, sperm associated 4

VIEW GENETICS

RESEARCH APPLICATIONS

Reproductive 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 homozygous for this targeted mutation are viable and do not display any gross physical or behavioral abnormalities. Male homozygotes are infertile due to a defect in sperm motility. Their sperm fails to develop the hyperactive motility pattern required for fertilization. No morphological differences between wildtype and mutant spermatozoa have been observed. No protein product from the targeted gene is detected in testis tissue. Female homozygotes reproduce normally. This strain may be useful in studies of male infertility.

Development

Control Suggestions

Selected References

Genetics

Catsper4^{tm1Cph}

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, homozygous females are crossed with heterozygous males. Homozygous males are infertile.

[Additional Breeding and Husbandry Support](#)

Citation

When using the CatSper4- mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #006821 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 Catsper4<tm1Clph>	\$2,854.50

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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[General Terms and Conditions](#)

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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Yes No