

129/Sv-L1cam^{tm1Sor}/J

Stock No: 003518 | L1-

 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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applications related to the study of brain disorders.

Donating Investigator

Dr. Philippe Soriano, Mount Sinai School of Medicine

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GENETIC OVERVIEW

Genetic Background

Generation

L1cam^{tm1Sor}

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

L1cam

L1 cell adhesion molecule

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

Developmental Biology Research

Research Tools

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 L1 gene is localized to the X chromosome. As a result, hemizygous males are affected and the mutation has to be propagated through females. Male mice hemizygous for the *L1cam^{tm1Sor}* targeted mutation have defects in the guidance of axons of the corticospinal tract. A substantial proportion of axons do not take their normal crossed course to the dorsal column at the pyramidal decussation. There is also a varying, but reduced number of corticospinal axons in the dorsal columns of the spinal cord.

In an attempt to offer alleles on well-characterized or multiple genetic backgrounds, alleles are frequently moved to a genetic background different from that on which an allele was first characterized. It should be noted that the phenotype could vary from that originally described. We will modify the strain description if necessary as published results become available.

Control Suggestions

Selected References

Genetics

L1cam^{tm1Sor}

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

Standard PCR:[L1cam](#)

Standard PCR:[L1cam](#)

[Genotyping resources and troubleshooting](#)

Citation

When using the L1- mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003518 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](#)

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Cryo
Recovery

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CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
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RELATED PRODUCTS AND SERVICES

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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

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Related Strains

All

By Allele

By Gene

By Collection



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