

B6.Cg-Sor1^{em1Aduj} /J

Stock No: 032759 | Sor1*A528T SNP

 Congenic, Endonuclease-Mediated Mutation

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

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associated with late-onset Alzheimer's disease and elevated Ab42 secretion.

Donating Investigator

Mike Sasner, The Jackson Laboratory

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GENETIC OVERVIEW

Genetic Background

Generation

Sor1^{em1Aduj}

Alele Type

Endonuclease-mediated
(Humanized sequence)

Gene Symbol

Sor1

Gene Name

soritin-related receptor, LDLR class A repeats-containing

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

Mouse/Human Gene Homologs

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

This *Sor1**A528T SNP strain carries a CRISPR/Cas9-generated A528T point mutation in exon 11 of the *Sor1* gene (sortilin-related receptor, LDLR class A repeats-containing).

The targeted *Sor1* gene encodes a mosaic protein and neuronal sorting receptor that is involved in endocytosis. Mutations of this gene have been associated with Alzheimer's disease. The *Sor1**A528T SNP mutation models a common, highly conserved missense variant (rs2298813) that is significantly associated with late-onset AD.

Homozygous mice are viable and fertile. If additional characterization of these mice is performed, we may modify the strain description accordingly.

Development

Control Suggestions

Genetics

Sor1^{em1Adiuj}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

End Point Analysis: [Sor1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

Both heterozygous and homozygous mice are viable and fertile.

When maintaining a live colony, heterozygous mice may be bred to wildtype mice from the colony or to C57BL/6J inbred mice (Stock No. [000664](#)).

Alternatively, homozygous mice may be bred together.

[Additional Breeding and Husbandry Support](#)

Citation

When using the Sor1*A528T SNP mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #032759 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 for Sor1	\$2,854.50

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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

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