

B6.Cg-Smn1^{tm2Mrph} /J

Stock No: **007963**

 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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This allele is a functional null and homozygous animals are embryonic lethal.

Donating Investigator

Andrew Murphy, Regeneron Pharmaceuticals, Inc.

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GENETIC OVERVIEW

Genetic Background

Generation

Smn1^{tm2Mrph}

Alele Type

Targeted (Reporter,
Null/Knockout)

Gene Symbol

Smn1

Gene Name

survival motor neuron 1

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

This strain functions as a reporter strain for *Smn1* (survival motor neuron 1) in the heterozygous state. Exons 1 through 8 of the mouse *Smn1* gene (12.8 kb) were replaced with *lacZ* and an *FRT* site remaining from the deletion of a selection marker. This allele is a functional null and homozygous animals are embryonic lethal.

Importation of this model was supported by the Spinal Muscular Atrophy Foundation.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Smn1^{tm2Mrph}

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:[Smn1](#)

Standard PCR:[Smn1](#)

Standard PCR:[Smn1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice can be bred as heterozygotes. Homozygotes are embryonic lethal.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.Cg-*Smn1*^{tm2Mph}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007963 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

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6.Cg-Smn1<tm2Mrph>/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.

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TERMS OF USE

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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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Yes No