



B 6 ; 1 2 9SSu6n^{tm2}Mhan/ J

Stock No: 012716

Targeted Mutation



CRYO RECOVERY

P L A C E O R D E R

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

Overview

When this *Sun2* (Sad1 and UNC84 domain containing 2) targeted mutation is combined with a *Sun1* targeted mutation (see Stock No. [012715](#)), synaptic myonuclear anchorage defects are seen. Compound mutant pups die neonatally and reportedly display neuronal migration defects in the brain. This strain may be useful in neuromuscular research.

Donating Investigator

Min Han, University of Colorado, Boulder

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GENETIC OVERVIEW

Genetic Background

Generation

Sun2^{tm1Mhan}

Allele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Sun2

Sad1 and UNC84 domain containing 2

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

Synaptic myonuclear anchorage is not perturbed in *Sun2* (Sad1 and UNC84 domain containing 2) homozygous targeted mutation mice. When combined with a *Sun1* targeted mutation, however (see Stock No. [012715](#)), defects are seen. Additionally, *Sun1/Sun2* compound mutant pups die neonatally and display neuronal migration defects in the brain. Homozygous *Sun2* mice are fertile and display no obvious abnormalities in growth and development. This gene does not appear to play a critical role in meiosis. This strain may be useful in neuromuscular research.

Development

Control Suggestions

Selected References

Genetics

+ [Sun2^{tm1Mhan}](#)

- Disease/Phenotype

+ [Disease Terms](#)

+ [Research Areas By Genotype](#)

+ [Mammalian Phenotype Terms by Genotype](#)

+ [References](#)

- Technical Support

T E C H N I C A L S P P O R T C H A T

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: [Sun2^{tm1Mhan}](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintained as a live colony, homozygotes or heterozygotes may be bred.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.129S6-[Sun2^{tm1Mhan}](#)/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #012716 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	GENOTYPE	PRICE
Cryo Recovery	Heterozygous for Sun2<tm1Mhan>	\$2,854.50

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a [Dedicated Supply](#) for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

Related Products and Services

Frozen Mouse Embryo	B6;129S6-Sun2<tm1Mhan>/J Frozen Embryo	\$2595.00
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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.

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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

Phone: 207-288-6470

Email: TechTran@jax.org

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