



B 6 ; 1 2 9FSy7n^{tm1Sor} / J

Stock No: 002385

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

Mice homozygous for *Fyn*^{tm1Sor} have defective T-cell receptor signaling and are characterized by a reduction in levels of tyrosine-phosphorylated proteins, failure to flux calcium in response to TCR cross-linking, and a reduction in production of calcium-related IL2.

Donating Investigator

Dr. Philippe Soriano, Mount Sinai School of Medicine

R E A D M O R E +

GENETIC OVERVIEW

Genetic Background

Generation

Fyn^{tm1Sor}

Allele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Fyn

Fyn proto-oncogene

V I E W G E N E T I C S

RESEARCH APPLICATIONS

Cancer Research

Immunology, Inflammation and Autoimmunity Research

Neurobiology Research

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

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 the *Fyn^{tm1Sor}* targeted mutation are viable and fertile displaying no overt phenotype. T cell receptor signaling is defective in homozygous mutant mice and are characterized by a reduction in levels of tyrosine-phosphorylated proteins, failure to flux calcium in response to TCR cross-linking, and a reduction in production of calcium-related IL2. THY-1-induced proliferation is also reduced in thymocytes but not in splenic T cells. Neurological defects include blunted long-term potentiation (LTP), impaired special learning, and altered hippocampal development.

Control Suggestions

Selected References

Genetics

Fyn^{tm1Sor}

– Disease/Phenotype

+ Disease Terms

+ Research Areas By Genotype

+ Mammalian Phenotype Terms by Genotype

+ References

– Technical Support

C H A T O  F L I N E

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: [Fyn^{tm1Sor}](#)

Standard PCR: [Fyn^{tm1Sor}](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

This strain can be maintained by homozygous matings. The expected coat color from breeding is white-bellied agouti.

[Additional Breeding and Husbandry Support](#)

Appearance

white-bellied agouti

Related Genotype: A^w/A^w

Citation

When using the B6.129S7-Fyn^{tm1Sor}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002385 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	Please inquire	\$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.

Payment Terms and Conditions

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← Terms Of Use

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[General Terms and Conditions](#)

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