

STOCK *Synpr^{tm1Sud}* *Syng1^{tm1Sud}* *Syng3^{tm1Sud}* *Syp^{tm1Sud}* /J

Stock No: 008415 | SQL

 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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genes, and floxed conditional mutations of *Synpr* (SP2; synaptophysin II) and *Syng3* (SG3; synaptogyrin III). This strain may be useful in studies of synaptic plasticity and the role of synaptophysins and synaptogyrins in neurological systems.

Donating Investigator

Dr. Thomas C. Sudhof, Stanford University School of Medicine

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

Syp^{tm1Sud}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Syp

Gene Name

synaptophysin

Syng1^{tm1Sud}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Syng1

Gene Name

synaptogyrin 1

Synpr^{tm1Sud}

Alele Type

Targeted (Conditional ready (e.g. floxed))

Gene Symbol

Synpr

Gene Name

synaptoporin

Syng3^{tm1Sud}

Alele Type

Targeted (Conditional ready

Gene Symbol

Syng3

Gene Name

synaptogyrin 3

(e.g. floxed)

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

RESEARCH APPLICATIONS

Neurobiology Research
Research Tools

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

This compound mutant strain carries targeted knockouts of the *Syngn1* (P29; synaptogyrin I) and *Syp* (P38; synaptophysin I) genes, and floxed conditional mutations of *Synpr* (SP2; synaptophysin II) and *Syngn3* (SG3; synaptogyrin III). The donating laboratory reports that seizures may occur after about 2 months of age, triggered by lifting mice up by the tail (highest incidence) or other sensory stimuli (less common). This strain may be useful in studies of synaptic plasticity and the role of synaptophysins and synaptogyrins in neurological systems.

(Updated February 5, 2015)

Development

– Genetics

+ [Syp^{tm1Sud}](#)

+ [Syngr1^{tm1Sud}](#)

+ [Synpr^{tm1Sud}](#)

+ [Syngr3^{tm1Sud}](#)

– 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:[Synpr](#)

Standard PCR:[Syngr3](#)

Standard PCR:[Syp](#)

Standard PCR:[Syngr1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintained as a live colony, animals homozygous for all four targeted mutations may be intercrossed.

[Additional Breeding and Husbandry Support](#)

Citation

When using the SQL mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #008415 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	Homozygous for Synpr<tm1Sud>, Homozygous for Syngr1<tm1Sud>, Homozygous for Syngr3<tm1Sud>, Homozygous for Syp<tm1Sud>, 1 pair minimum	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	STOCK Synpr<tm1Sud> Syngr1<tm1Sud> Syngr3<tm1	Frozen Embryos	\$2595.00
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LICENSING INFORMATION

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Email: TechTran@jax.org

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