

B6;129-Sult2b1^{tm1Rus}/J

Stock No: **018773** | Sult2b1b KO

 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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Donating Investigator

Dr. David Russell, Univ of Texas Southwest Med Ctr Dallas

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GENETIC OVERVIEW

Genetic Background

Generation

Sult2b1^{tm1Rus}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Sult2b1

Gene Name

sulfotransferase family, cytosolic, 2B, member 1

VIEW GENETICS

RESEARCH APPLICATIONS

Metabolism 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

In this strain, exons 4-8 of the sulfotransferase 2B1 (*Sult2b1*) gene were removed, abolishing gene expression. SULT2B1 is a sulfotransferase enzyme that transfer an SO₃⁻ group from the cofactor 3'-phosphoadenosine 5'-phosphate to the 3-hydroxyl position of cholesterol and other substrates such as some hormones and neurotransmitters. SULT2B1 is highly expressed in the skin of the mouse and at lower levels in the epididymis. Male and female homozygous *Sult2b1* knockout mice are viable and fertile. They lack cholesterol sulfate in the dermis but otherwise appear to have normal lipid metabolism.

Development

Selected References

Genetics

Sult2b1^{tm1Rus}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Probe: [Generic Cre Probe](#)

Separated PCR: [Sult2b1](#)

Standard PCR: [Sult2b1](#)

Separated PCR: [Sult2b1](#)

Standard PCR: [Generic Cre Melt Curve Analysis](#)

Standard PCR: [Generic Neo](#)

Probe: [Generic Neo](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, homozygous mice may be bred together.

[Additional Breeding and Husbandry Support](#)

Citation

When using the Sult2b1b KO mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #018773 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 Sult2b1<tm1Rus>	\$2,854.50

PAYMENT TERMS AND CONDITIONS

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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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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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Q U E S T I O N S A B O U T T E R M S O F U S E

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

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