

## B6.129S4-Soat1<sup>tm1Far</sup>/Pgn

Stock No: 007147 | ACAT KO

 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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esterification and a 24% increase in HDL levels.

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### GENETIC OVERVIEW

Genetic Background

Generation

000664 C57BL/6J

#### Soat1<sup>tm1Far</sup>

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Soat1

sterol O-acyltransferase 1

VIEW GENETICS

### RESEARCH APPLICATIONS

Metabolism Research  
Cardiovascular Research  
Internal/Organ 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

Phenotypically similar to B6.129S4-*Soat1*<sup>tm1Far</sup>/J (Stock #003322), B6.129S4-*Soat1*<sup>tm1Far</sup>/Pgn has a reduced congenic interval making the closely linked *Apoa2* gene of C57BL/6 rather than 129S4 origin. The donating investigator indicates that HDL levels exhibit a 24% increase on high fat diet in this strain in contrast to the 73% increase observed in the original strain. Triglyceride levels are unchanged. This strain may be useful in atherosclerosis research.

### Development

### Selected References

## Genetics

### *Soat1*<sup>tm1Far</sup>

## Disease/Phenotype

### Disease Terms

### Research Areas By Phenotype

### Mammalian Phenotype Terms by Genotype

### References

## Technical Support

### CONTACT TECHNICAL SUPPORT

#### Genotyping Protocols

Standard PCR:[Soat](#)

Standard PCR:[Soat1-Alternate 1](#)

[Genotyping resources and troubleshooting](#)

#### Citation

When using the ACAT KO mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007147 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
<a href="#">Cryo Recovery</a>	Heterozygous for Soat1<tm1Far>	\$2,854.50

#### RELATED PRODUCTS AND SERVICES

<a href="#">Frozen Mouse Embryo</a>	B6.129S4-Soat1<tm1Far>/Pgn	\$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.

## 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.

### Terms Of Use

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#### ADDITIONAL USE RESTRICTIONS APPLY

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#### LICENSING INFORMATION

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

### Related Strains

All

By Allele

By Gene

By Collection





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