

B6N.129P2-Scp2^{tm1Kier}/Mmjax

MMRRC Stock No: **36977-JAX**

 Congenic, Targeted Mutation

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but allowing expression of SCP2. Homozygous mice exhibit gender-dependent alterations in serum and liver lipid profiles and diet-induced (0.5% phytol) weight loss, enlarged livers, liver necrosis and inflammation. This strain may be useful for studying lipid and glucose metabolism and peroxisome-associated disorders.

Donating Investigator

Ann Kier, Texas A&M University, College of Veterinary Medicine and Biomedical Sciences

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GENETIC OVERVIEW

Genetic Background

Generation

Scp2^{tm1Kier}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Scp2

Gene Name

sterol carrier protein 2, liver

VIEW GENETICS

RESEARCH APPLICATIONS

Metabolism Research

VIEW ALL RESEARCH APPLICATIONS

Details

+ Development

+ Control Suggestions

+ Selected References

Genetics

+ *Scp2^{tm1Kier}*

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

Separated PCR:[Scp2-Alternate 1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

While maintaining a live colony, these mice are bred as homozygotes.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6N.129P2-*Scp2*^{tm1Kier}/Mmjax mouse strain in a publication, please [cite the originating article\(s\)](#) and include MMRRC stock #36977 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

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.

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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

LICENSING INFORMATION

Phone: 207-288-6470

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🔵 Related Strains

All

By Allele

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By Collection



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