

D2.129P2(B6)-Nr5a1^{tm2Klp}/EiJ

Stock No: 007042 | SF1 floxed

 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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useful for generating conditional mutations in applications studying steroidogenic factors and pituitary gonadotrope function.

Donating Investigator

Eva Eicher, The Jackson Laboratory

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GENETIC OVERVIEW

Genetic Background

Generation

Nr5a1^{tm2Klp}

Alele Type

Targeted (Conditional ready (e.g. floxed), No functional change)

Gene Symbol

Nr5a1

Gene Name

nuclear receptor subfamily 5, group A, member 1

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

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

Mice homozygous for this floxed allele are viable and fertile. These mutant mice have *loxP* sites flanking the C-terminal coding exon. When bred to Cre-recombinase expressing mice, offspring will have a deletion of this exon in the *cre* expressing tissue(s). These floxed mice may be useful in studying steroidogenic factors and pituitary gonadotrope function.

For example, when crossed to a strain expressing Cre recombinase in the anterior and intermediate lobes of the pituitary gland (see Stock No. [004426](#)), this mutant mouse strain may be useful in studies of pituitary gonadotrope function.

Development

Control Suggestions

Selected References

Genetics

Nr5a1^{tm2Klp}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

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:[Nr5a1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, homozygous mice are bred.

[Additional Breeding and Husbandry Support](#)

Citation

When using the SF1 floxed mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007042 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 or Wild-type for Nr5a1<tm2Klp>	\$2,854.50

RELATED PRODUCTS AND SERVICES

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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.

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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

Email: TechTran@jax.org

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