

C.129P2(Cg)-II4/II13^{tm1.1Lky} /J

Stock No: **015859**

 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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conditional disruption of both genes simultaneously via cre-induced recombination.

Donating Investigator

Richard M. Locksley, Univ of California San Francisco-HHMI

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GENETIC OVERVIEW

Genetic Background

Generation

II4/II13^{tm1.1Lky}

Alele Type

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

Gene Symbol

II4

Gene Name

interleukin 4

II4/II13^{tm1.1Lky}

Alele Type

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

Gene Symbol

II13

Gene Name

interleukin 13

VIEW GENETICS

RESEARCH APPLICATIONS

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

These $Il4/Il13^{fllox}$ mutant mice possess a *loxP* site upstream of exon 3 of the interleukin 13 (*Il13*) gene and a second *loxP* site downstream of exon 4 of the interleukin 4 (*Il4*) gene. Mice that are homozygous for this allele are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. When these mutant mice are bred to mice that express Cre recombinase, resulting offspring will have nucleotides between exons 3 of *Il13* and exon 4 of *Il4* deleted in the *cre*-expressing tissue. This strain may be useful for studying immune function in mice lacking *Il4* and *Il13*.

Development

Control Suggestions

Selected References

Genetics

$Il4/Il13^{tm1.1Lky}$

$Il4/Il13^{tm1.1Lky}$

– 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:[I14/I113-alternate1](#)

[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 C.129P2(Cg)-*I14/I113*^{tm1.1Lky}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #015859 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



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CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Heterozygous for I14/I113<tm1.1Lky>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	C.129P2(Cg)-I14/I113<tm1.1Lky>/J	\$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.

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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

By Allele

By Gene

By Collection



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