

## C.129S1(B6)-*Il12a*<sup>tm1Jm</sup>/J

Stock No: 002691 | Il-12p35 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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(TH2) response is induced.

### Donating Investigator

Dr. Jeanne Magram, Celsius Therapeutics

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## GENETIC OVERVIEW

Genetic Background      Generation

*Il12a*<sup>tm1Jm</sup>

Alele Type	Gene Symbol	Gene Name
Targeted (Null/Knockout)	<i>Il12a</i>	interleukin 12a

VIEW GENETICS

## RESEARCH APPLICATIONS

Cancer Research  
Immunology, Inflammation and Autoimmunity 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

Mice homozygous for the *Il12a*<sup>tm1Jm</sup> targeted mutation on a normally resistant 129/Sv genetic background are unable to restrict the progression of *Leishmania major* infection, demonstrating the importance of this cytokine for developing such resistance. Homozygotes are unable to mount a delayed-type hypersensitivity (DTH) reaction but a TH2 response is induced. Also known as p35. Please refer to the *Il12b*-deficient related targeted mutations (Stock No. [002693](#) and [002694](#)). *In an attempt to offer alleles on well-characterized or multiple genetic backgrounds, alleles are frequently moved to a genetic background different from that on which an allele was first characterized. This is the case for the strain above. It should be noted that the phenotype could vary from that originally described. We will modify the strain description if necessary as published results become available.*

#### Development

#### Control Suggestions

#### Selected References

### Genetics

#### *Il12a*<sup>tm1Jm</sup>

### Disease/Phenotype

#### Disease Terms

#### Research Areas By Phenotype

## [- Technical Support](#)

### CONTACT TECHNICAL SUPPORT

#### Genotyping Protocols

Separated PCR:[Il12a](#)

Standard PCR:[Il12a](#)

[Genotyping resources and troubleshooting](#)

#### Breeding Considerations

This strain is maintained by homozygous sibling matings. Expected coat color from breeding:Albino

[Additional Breeding and Husbandry Support](#)

#### Appearance

albino

Related Genotype:  $A/A Tyrp1^b/Tyrp1^b Tyr^c/Tyr^c$

#### Citation

When using the Il-12p35 KO mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002691 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.

## DomesticInternational

Pricing effective for USA, Canada and Mexico shipping destinations

### CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT

DESCRIPTION

PRICE

## RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

C.129S1(B6)-Il12a&lt;tm1Jm&gt;/J Frozen Embryos

\$2595.00

## 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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## TERMS OF USE

[General Terms and Conditions](#)

QUESTIONS ABOUT TERMS OF USE

## 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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