

129-Dp(16Tiam1-Il10rb)8Yey/J

Stock No: 024906

Coisogenic, Duplication

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

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Donating Investigator

Y. Eugene Yu, Roswell Park Cancer Institute

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GENETIC OVERVIEW

Genetic Background

Generation

Dp(16Tiam1-Il10rb)8Yey

Alele Type

Gene Symbol

Gene Name

Targeted

Dp(16Tiam1-Il10rb)8Yey

duplication, Chr 16, Y Eugene Yu 8

VIEW GENETICS

RESEARCH APPLICATIONS

Cardiovascular Research

Internal/Organ Research

Developmental Biology Research

Neurobiology 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

This *Dp(16)3Yey/+* mutant strain contains a 2.11 Mb duplicated segment of mouse Chromosome 16. The sequence is defined by the T cell lymphoma invasion and metastasis 1 (*Tiam1*) gene and the interleukin 10 receptor, beta (*Il10rb*) gene. Hemizygous mice are fertile. This duplicated region is located on one of three mouse chromosome regions orthologous to an extra copy of human Chromosome 21 (*Hsa21*) implicated in heart defects and cognitive deficits associated with Down Syndrome (DS). *Dp(16)3Yey/+* contains 17 genes orthologous to genes on *Hsa21*. These mice do not exhibit the heart defects associated with Down syndrome.

Development

Control Suggestions

Selected References

Genetics

Dp(16Tiam1-Il10rb)8Yey

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Separated QPCR: [Generic Puromycin-QPCR](#)

Separated PCR: [Puromycin](#)

Standard PCR: [Puromycin](#)

Standard PCR: [Generic Neo](#)

Probe: [Generic Neo](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, hemizygous mice may be bred to non-carrier (wildtype) mice from the colony or to 129S1/SvImJ inbred mice (Stock No. [002448](#)). The donating investigator has never tried to make homozygous animals.

[Additional Breeding and Husbandry Support](#)

Mating System

Noncarrier x Hemizygote

Hemizygote x Noncarrier

Citation

When using the 129-Dp(16Tiam1-Il10rb)8Yey/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #024906 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	Hemizygous or Non Carrir for	\$2,854.50

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