

B6;129-Vmn1r51^{tm1Dlc}/J

Stock No: **025197**

 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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Donating Investigator:

Catherine Dulac, Harvard University, HHMI

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GENETIC OVERVIEW

Genetic Background

Generation

Vmn1r51^{tm1Dlc}

Alele Type

Targeted (Reporter,
Null/Knockout)

Gene Symbol

Vmn1r51

Gene Name

vomeronasal 1 receptor 51

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

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

Vmn1r51 (vomeronasal 1 receptor 51; also called VN12) is a member of the vomeronasal organ V1R gene family, whose activation is believed to be involved with pheromone detection.

IRES-tau-lacZ replaces the coding region of the *Vmn1r51* gene in this targeted knockout strain. Tau-lacZ expression can be detected after staining with X-gal in vomeronasal sensory neurons (dendrites, cell bodies and axons) that normally express the gene.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Vmn1r51^{tm1Dlc}

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: [Generic LacZ Melt Curve Analysis](#)

Standard PCR: [Vmn1r51-Alternate 2](#)

Probe: [Generic LacZ Probe](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

Homozygotes and heterozygotes are viable and fertile.

This strain is genotyped using a generic GFP assay, an allele-specific assay has not been developed.

[Additional Breeding and Husbandry Support](#)

Mating System

Heterozygote x Heterozygote

Citation

When using the B6;129-Vmn1r51^{tm1Dlc}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #025197 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 wildtype for Vmn1r51<tm1Dlc>	\$2,854.50

Related Products and Services

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