

**B6;129-Vmn1r50<sup>tm1Dlc</sup>/J**

Stock No: **025198**

 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

*Vmn1r50<sup>tm1Dlc</sup>*

**Alele Type**

**Gene Symbol**

**Gene Name**

Targeted (Reporter)

*Vmn1r50*

vomeronasal 1 receptor 50

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

*Vmn1r50* (vomeronasal 1 receptor 50; also called VN2) is a member of the vomeronasal organ V1R gene family, whose activation is believed to be involved with pheromone detection.

These mice co-express tau-lacZ with pheromone receptor *Vmn1r50*, enabling the analysis of sensory neuron projection patterns. This strain provides insight on the workings of olfactory coding in the vomeronasal system. Analysis of whole mounts of the nasal cavity dissected from adult homozygous mice reveals a subpopulation of vomeronasal sensory neurons whose dendrites, cell bodies, and axons display intense blue color after staining with X-gal.

### Development

### Expression Data

### Control Suggestions

### Selected References

## Genetics

### *Vmn1r50*<sup>tm1Dlc</sup>

## 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

Separated PCR: [Vmn1r50](#)

[Genotyping resources and troubleshooting](#)

### Breeding Considerations

Homozygotes and heterozygotes are viable and fertile.

[Additional Breeding and Husbandry Support](#)

### Mating System

Heterozygote x Heterozygote

### Citation

When using the B6;129-Vmn1r50<sup>tm1Dlc</sup>/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #025198 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
<a href="#">Cryo Recovery</a>	Heterozygous for Vmn1r50<tm1.1Dlc>	\$2,854.50

### Related Products and Services

<a href="#">Frozen Mouse Embryo</a>	B6;129-Vmn1r50<tm1Dlc>/J Frozen Embryo	\$2595.00
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[General Terms and Conditions](#)

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Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

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