

B6;129P2-H2-M10.2^{tm1Mom}/MomJ

Stock No: **006725** | M10.2-tauVenus

 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

Peter Mombaerts, Max Planck Research Unit for Neurogenetics

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GENETIC OVERVIEW

Genetic Background

Generation

H2-M10.2^{tm1Mom}

Alele Type

Targeted (Reporter)

Gene Symbol

H2-M10.2

Gene Name

histocompatibility 2, M region locus 10.2

VIEW GENETICS

RESEARCH APPLICATIONS

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

V I E W P R I C E L I S T

Details

Detailed Description

This allele has Venus fluorescent protein fused to the C-terminus of *H2-M10.2*, permitting visualization of its expression pattern. In whole-mount vomeronasal organ specimens of these M10.2–Venus mice, bright Venus fluorescence is observed in the posterior accessory olfactory bulb, whereas faint fluorescence can also be observed in the most anterior part of the anterior accessory olfactory bulb. Sagittal sections of accessory olfactory bulbs of M10.2–Venus mice were stained by immunohistochemistry with anti-Venus antibody and with anti-G protein alpha (guanine nucleotide binding protein, alpha) antibody, which labels the entire posterior accessory olfactory bulb. The posterior two-thirds of the posterior accessory olfactory were shown to be innervated by M10.2–Venus axons. This strain provides a tool for the characterization of vomeronasal sensory neuron development and function and the function of H2-Mv genes.

Development

Expression Data

Selected References

Genetics

H2-M10.2^{tm1Mom}

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:H2-M10.2

[Genotyping resources and troubleshooting](#)

Citation

When using the M10.2-tauVenus mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #006725 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

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Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Heterozygous for H2-M10.2<tm1Mom>/	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6;129P2-H2-M10.2<tm1Mom>/MomJ	\$2595.00
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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

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LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

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All

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