

B6;CBA-Tg(OR8A1-*taulacZ*)1Mom/MomJ

Stock No: 007975 | hM72 Tg line I

 Transgenic

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

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OR8a1 transcription start site. LacZ is expressed in place of any olfactory receptor sequence.

Donating Investigator

Peter Mombaerts, Max Planck Research Unit for Neurogenetics

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GENETIC OVERVIEW

Genetic Background

Generation

Tg(OR8A1-*taulacZ*)1Mom

Alele Type

Transgenic (Reporter, Inserted expressed sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

Research Tools

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 transgene encodes tau-linked-LacZ under the control of a minimal promoter comprised of 154 base pairs upstream of the human *OR8a1* transcription start site and 146 base pairs of the 5' nontranslated exon 1. It does not drive expression of any olfactory receptor sequence. It is useful in mapping promoter elements important for human olfactory receptor expression. Histology shows mosaic expression of LacZ in the main olfactory epithelium.

Development

Expression Data

Selected References

Genetics

Tg(OR8A1-taulacZ)1Mom

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR: [Generic LacZ Melt Curve Analysis](#)

Probe: [Generic LacZ Probe](#)

QPCR: [Generic LacZ QPCR Alternate 1](#)

[Genotyping resources and troubleshooting](#)

Citation

When using the hM72 Tg line I mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007975 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 | Carrier or Non Carrier of Tg(OR8A1-tauLacZ)1Mom | \$2,854.50 |

RELATED PRODUCTS AND SERVICES

| | | |
|-------------------------------------|---|-----------|
| Frozen Mouse Embryo | B6;CBA-Tg(OR8A1-taulacZ)1Mom/MomJ Frozen Embryo | \$2595.00 |
|-------------------------------------|---|-----------|

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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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Q U E S T I O N S A B O U T T E R M S O F U S E

ADDITIONAL USE RESTRICTIONS APPLY

[Use of MICE by companies or for-profit entities requires a license prior to shipping.](#)

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection



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