

B6(A)-Tg(OPN1LW-DT)1Mame/J

Stock No: **008617**

 **Transgenic**

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

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processing within the central nervous system.

Donating Investigator

Jeremy Nathans, Johns Hopkins University

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

Tg(OPN1LW-DT)1Mame

Alele Type

Transgenic (Inserted expressed sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

Sensorineural 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

Cone photoreceptors in these mice express a modified (DT176) diphtheria toxin A chain (DTA) driven by the human red cone specific opsin promoter. This results in the ablation of the cone cells. These mice show no physical, behavioral, reproductive, or growth abnormalities, and the histologic appearance of their retinæ remains unchanged over at least 8 months. This strain may be useful in studies of vision and signal processing within the central nervous system.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(OPN1LW-DT)1Mame

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: [Tg\(OPN1LW-DT\)1Mame](#)

Standard PCR: [Tg\(OPN1LW-DT\)](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintained as a live colony, hemizygotes may be bred.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6(A)-Tg(OPN1LW-DT)1Mame/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #008617 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 carrier for Tg(OPN1LW-DT)1Mame	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6(A)-Tg(OPN1LW-DT)1Mame/J

\$2595.00

PAYMENT TERMS AND CONDITIONS

Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

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

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection



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