

STOCK *Mfng*<sup>tm1Seco</sup> /J

Stock No: 010979

 Targeted Mutation

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

PLACE ORDER

[Email](#) [Download PDF](#) [Help](#)

hindbrain functions.

### Donating Investigator

Susan Cole, Ohio State University

READ MORE +

## GENETIC OVERVIEW

Genetic Background

Generation

*Mfng*<sup>tm1Seco</sup>

**Alele Type**

Targeted (Null/Knockout)

**Gene Symbol**

*Mfng*

**Gene Name**

MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase

VIEW GENETICS

## RESEARCH APPLICATIONS

Developmental Biology Research

Internal/Organ 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

These *Mfng*<sup>-/-</sup> mutant mice have 898 nt surrounding the first Manic fringe (*Mfng*) coding exon replaced with a floxed PGK neo cassette, abolishing gene function. Mice that are homozygous for this allele are viable, fertile, with normal pancreatic development, morphology and physiology. There is no phenotypic difference observed between mutant mice and their wildtype littermates, suggesting a compensatory pathway may be operational in the embryonic development of this strain. These mice may be useful for studying embryonic development, and skeletal, limb, and hindbrain functions.

#### Development

#### Control Suggestions

#### Selected References

### Genetics

#### *Mfng*<sup>tm1Seco</sup>

### Disease/Phenotype

#### Disease Terms

#### Research Areas By Phenotype

#### Mammalian Phenotype Terms by Genotype

- 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

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice can be bred as homozygotes. Homozygous mice are shorter lived, and are born at a lower than expected ratio.

[Additional Breeding and Husbandry Support](#)

Citation

When using the STOCK *Mfng<sup>tm1Seco</sup>/J* mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #010979 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 or Wildtype for <i>Mfng</i> <tm1Seco>	\$2,854.50

RELATED PRODUCTS AND SERVICES

## 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.

### Terms Of Use

## TERMS OF USE

[General Terms and Conditions](#)

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](mailto:TechTran@jax.org)

### Related Strains

All

By Allele

By Gene

By Collection



## DO YOU NEED BALB/c MICE?

Rely on JAX to provide the models you need, when you need them.

LEARN MORE



CONTACT



DONATE



SUBSCRIBE

JAX HOME CAREERS LEGAL INFORMATION

RESEARCH CENTERS MOUSE GENOME INFORMATICS

MOUSE PHENOME DATABASE

*Leading the search for*

# TOMORROW'S CURES



©2021 THE JACKSON LABORATORY

Choose other country or region



^ E E E D B