

C57BL/6J-*nmf62*/J

Stock No: 004442

 Chemically Induced Mutation

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

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The Jackson Laboratory cannot guarantee that cryorecovery of strains from the discontinued NIM-funded Neuroscience Mutagenesis Facility (NMF) will be successful or that the anticipated phenotype or genotype will be obtained. The cryorecovery fee for this effort will not be refunded or prorated if the recovery is unsuccessful or is in any way unsatisfactory. Genotyping will be the responsibility of the Purchaser.

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GENETIC OVERVIEW

Genetic Background

Generation

nmf62

Allele Type

Chemically induced (ENU)

Gene Symbol

nmf62

Gene Name

neuroscience mutagenesis facility, 62

VIEW GENETICS

RESEARCH APPLICATIONS

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

The mutants were originally detected by reduced (≤ 2 s.d. B6 mean) forelimb grip strength at 12 weeks of age. Subsequent observations revealed subtle abnormalities in their gait that can be detected at approximately 4 weeks of age (average onset 4.3 ± 0.75 weeks; $n=33$). In the interest of expediting availability, only the early visible phenotype was pursued.

Standard pathology work-up on two mutants (31 or 282 days of age) did not reveal any abnormalities. Whole muscle mounts of the hind limb stained with fluorescent-labeled bungarotoxin, SV2, and SMI 31 revealed no abnormalities of neuromuscular junctions. Additional pathology on brain, spinal cord, muscle and eyes performed on three other mutants (24 or 114 days of age) revealed retinal dysplasia in the older mutant. The eyes of all other mutants appeared normal.

Development

Genetics

nmf62

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

[Genotyping resources and troubleshooting](#)

Appearance

black

Related Genotype: *a/a*

Citation

When using the C57BL/6J-*nmf62*/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #004442 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	Unknown for nmf62	\$2,854.50

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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Yes No