

D.B/20Ei-Lama2^{dy-6J}/J

Stock No: 003589 | dystrophia muscularis 6 Jackson

 Congenic, Spontaneous Mutation

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

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GENETIC OVERVIEW

Genetic Background

Generation

Lama2^{dy-6J}

Allele Type

Spontaneous

Gene Symbol

Lama2

Gene Name

laminin, alpha 2

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

Immunology, Inflammation and Autoimmunity Research

Mouse/Human Gene Homologs

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description

Mice homozygous for the dystrophin-muscularis spontaneous mutations are characterized by progressive weakness and paralysis beginning at about 3 1/2 weeks of age. The hindlimbs are affected first, later the axial and forelimb musculature. Death usually occurs before 6 months of age, and mutant mice are usually sterile. Skeletal muscle shows degenerative changes with proliferation of sarcolemmal nuclei, increase in amount of interstitial tissue, and size variation among individual muscle fibers. In the dorsal and ventral roots of the peripheral nerves, both spinal and cranial, Schwann cells fail to separate and ensheath axons so that groups of closely apposed naked axons, normally seen only in early stages, persist into adulthood. In the rest of the PNS, the basement membrane of Schwann cells is interrupted by gaps, the internodal gap in the nodes of Ranvier is lengthened, and there is delayed onset of myelination with fewer myelinated axons and shorter internode length.

In an attempt to offer alleles on well-characterized or multiple genetic backgrounds, alleles are frequently moved to a genetic background different from that on which an allele was first characterized. This is the case for the strain above. It should be noted that the phenotype could vary from that originally described. We will modify the strain description if necessary as published results become available.

Genetics

+ *Lama2^{dy-6J}*

Disease/Phenotype

+ Disease Terms

+ Research Areas By Phenotype

+ Mammalian Phenotype Terms by Genotype

+ References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Appearance

dilute brown

Related Genotype: *a/a Tyrp1^b /Tryp1^b Myo5a^d /Myo5a^d*

Citation

When using the dystrophia muscularis 6 Jackson mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003589 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	Progeny testing required but not provided. No genotyping assay is available for these recessive cryo-recovered animals of undefined genotype	\$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.

Terms Of Use

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[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

Related Strains

All

By Allele

By Gene

By Collection





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TOMORROW'S CURES



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