The Jackson Laboratory

B6.A-*Dysf*^{prmd}/GeneJ

Stock No: **012767** | BLAJ

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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strain introgressed into the C57BL/6 genetic background. BI/AJ mice display centronucleated fibers and progressive muscle weakness, and may be useful as a model of limb-girdle muscular dystrophy type 2B (LGMD2B) and Miyoshi myopathy.

Our preclinical efficacy testing services offer scientific expertise and an array of target-based and phenotype-based outcome measures, both in vivo and at endpoint, for flexible study designs and assay development in mouse models of Muscular Dystrophy. See our full service platform.

Donating Investigator

Dr. Isabelle Richard, Genethon

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GENETIC OVERVIEW

Genetic Background	Generation

Dysf^{prmd}

Allele Type	Gene Symbol	Gene Name
Spontaneous (Null/Knockout)	*Dysf*	dysferlin

VIEW GENETICS

RESEARCH APPLICATIONS

Mouse/Human Gene Homologs
Neurobiology Research

VIEW ALL RESEARCH APPLICATIO

BASE PRICE

Starting at:

$2,854.50 Domestic price Cryo Recovery

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Details

Detailed Description

In these BlAJ (BlAJ or Bla/J) mice, the progressive muscular dystrophy allele (*prmd*) from the A/J inbred strain is introgressed into the C57BL/6 genetic background. Disease onset is observed by 2 months and is characterized by the presence of centronucleated fibers and areas of inflammation. As seen with the original background A/J, mice homozygous for the *prmd* allele on the C57BL/6J background display an increasing number of centronucleated fibers and impairment in the majority of muscles by 4 months of age. In order of severity, the most affected muscles are psoas, quadriceps femoris, tibialis anterior, and gastrocnemius. Mice exhibit a decreased membrane repair capacity following laser wounding experiments. In an open space assay, mice cover less distance and are less active than wild-type. Mice that are homozygous for this allele are viable, fertile and normal in size. This mutant mouse strain may be useful as a model of limb-girdle muscular dystrophy type 2B (LGMD2B) and Miyoshi myopathy.

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. 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.

This strain was made available with the assistance of the Jain Foundation.

Development

Control Suggestions

Selected References

Genetics

Dysf^{prmd}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR:Dysf
Standard PCR:Dysf
Genotyping resources and troubleshooting

Breeding Considerations

While maintaining a live colony, these mice are bred as homozygotes.

Additional Breeding and Husbandry Support

Citation

When using the BLAJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #012767 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	Heterozygous for Dysf<prmd>	$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6.A-Dysfprmd/GeneJ	$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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Email: TechTran@jax.org

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