

## B10.SJL-Dysf<sup>im</sup>/AwaJ

Stock No: 011128

 Congenic, Deletion, Spontaneous 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](#)

### Donating Investigator

Amy Wagers, Joslin Diabetes Center

READ MORE +

## GENETIC OVERVIEW

Genetic Background

Generation

*Dysf<sup>im</sup>*

**Alele Type**

Spontaneous  
(Null/Knockout)

**Gene Symbol**

*Dysf*

**Gene Name**

dysferlin

VIEW GENETICS

## RESEARCH APPLICATIONS

Mouse/Human Gene Homologs  
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

Mice that are homozygous for this mutation exhibit a progressive muscular dystrophy characterized by myofiber degeneration and increased fibrosis. Disease onset on the C57BL/10 background is apparent by 4 weeks of age and is severe by 8 months of age, although, mice can survive until 19 months. During the late stage of the disease muscles exhibit fatty and fibrotic tissue as well as inflammatory cells. Affected muscles include the proximal limbs, (quadriceps femoris and triceps brachii) and abdominals. The distal limbs, (gastrocnemius, soleus, and tibialis anterior), diaphragm, and biceps brachii appear to be only mildly affected even in the late stages of the disease. Both pyruvate and creatinine kinase levels are increased. Regeneration following notexin-induced muscle damage is impaired by delayed removal of necrotic fibers and an extended inflammatory period. This mutant mouse strain may be useful as a model of limb-girdle muscular dystrophy type 2B (LGMD2B) and Miyoshi myopathy.

### Development

### Control Suggestions

### Selected References

## Genetics

### *Dys<sup>flm</sup>*

## 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:[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 B10.SJL-*Dysf<sup>im</sup>*/AwaJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #011128 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 for <i>Dysf&lt;im&gt;</i>	\$2,854.50

## RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B10.SJL-Dysf<im>/AwaJ

\$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.

### Terms Of Use

#### TERMS OF USE

[General Terms and Conditions](#)

QUESTIONS ABOUT TERMS OF USE

#### 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



Did you find what you were looking for?

Yes  No