



# B 6 . 1 *Dysf*<sup>tm1Kcam</sup> / J

Stock No: 013149

Congenic, Targeted Mutation



CRYO RECOVERY

P L A C E   O R D E R

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

## Overview

These *Dysf* (dysferlin) knock-out mutant mice develop a slowly progressive muscular dystrophy. This mutant mouse strain represents a model that may be useful in studies of muscle disease and repair.

### Donating Investigator

Kevin Campbell, University of Iowa

R E A D   M O R E   +

## GENETIC OVERVIEW

Genetic Background      Generation

*Dysf<sup>tm1Kcam</sup>*

Allele Type	Gene Symbol	Gene Name
Targeted (Null/Knockout)	<i>Dysf</i>	dysferlin

V I E W   G E N E T I C S

## RESEARCH APPLICATIONS

Neurobiology Research  
Mouse/Human Gene Homologs

V I E W   A L L   R E S E A R C H   A P P L I C A T I O N S

## 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 homozygous for this targeted mutation are viable, fertile and show a normal growth rate. Mice develop a slowly progressive muscular dystrophy. By the age of 2 months, a few individual necrotic and centrally nucleated fibers can be detected throughout the muscle; the number increases with age. By 8 months, the muscle develops all of the pathological characteristics of muscular dystrophy (e.g. regenerating fibers, split fibers, muscle necrosis with macrophage infiltration and fat replacement). The severity of the pathology varies in different muscles. Muscle fibers are defective in Ca<sup>2+</sup>-dependent sarcolemma resealing/repair. No protein product from the targeted gene is detected in skeletal muscle microsomes. This mutant mouse strain represents a model that may be useful in studies of muscle disease and repair.

#### Development

#### Control Suggestions

#### Selected References

## − Genetics

+ [Dysf<sup>tm1Kcam</sup>](#)

## − Disease/Phenotype

+ [Disease Terms](#)

+ [Research Areas By Phenotype](#)

+ [Mammalian Phenotype Terms by Genotype](#)

+ [References](#)

## − Technical Support

C H A T   O  F L I N E

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

Separated PCR: [Dysfalternate1](#)

[Genotyping resources and troubleshooting](#)

Download the [Genotyping Protocol for Dysf<sup>tm1Kcam</sup>](#) from Kevin Campbell, University of Iowa.

### Breeding Considerations

When maintaining a live colony, homozygotes or heterozygotes may be bred. Malocclusions may occur which require teeth clipping to allow normal eating and drinking.

[Additional Breeding and Husbandry Support](#)

### Citation

When using the B6.129-Dysf<sup>tm1Kcam</sup>/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #013149 in your Materials and Methods section.

[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 <a href="#">Dysf&lt;tm1Kcam&gt;</a>	\$2,854.50

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## 🔍 Terms Of Use

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[General Terms and Conditions](#)

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[Use of MICE by companies or for-profit entities requires a license prior to shipping.](#)

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Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

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By Allele

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