



C . 1 2 9   <sup>flm5</sup> *Jae* / J

Stock No: 002522

 Congenic, Targeted Mutation



CRYORECOVERY

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 *Myf5* knock-out mice exhibit perinatal lethality with abnormal development of the rib cage.

### Donating Investigator

Rudolf Jaenisch, Whitehead Institute, Massachusetts Institute of Technology

R E A D M O R E +

## GENETIC OVERVIEW

Genetic Background

Generation

*Myf5<sup>tm1Jae</sup>*

Allele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

*Myf5*

myogenic factor 5

V I E W   G E N E T I C S

## RESEARCH APPLICATIONS

Developmental Biology Research

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 a targeted mutation in the *Myf5* gene die perinatally from respiratory failure due to improper development of the rib cage. Ribs are truncated and the sternum is shortened, with no sternbral segmentation and no connection to the ribs. Mutant mice show no obvious alterations in the vertebral column in comparison to wild type controls, and there are no skeletal muscle abnormalities apparent at birth.

#### Control Suggestions

#### Selected References

### Genetics

#### *Myf5<sup>tm1Jae</sup>*

### Disease/Phenotype

[+ Disease Terms](#)

[+ Research Areas By Genotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

[- Technical Support](#)

CHAT OFFLINE

CONTACT TECHNICAL SUPPORT

## Genotyping Protocols

[Genotyping resources and troubleshooting](#)

## Breeding Considerations

When maintaining a live colony, heterozygous mice may be bred to wildtype mice from the colony or to BALB/cJ inbred mice (Stock No. [000651](#)). Mice homozygous for the mutation are not viable (perinatal lethal).

[Additional Breeding and Husbandry Support](#)

## Citation

When using the C.129S4-Myf5<sup>tm1Jae</sup>/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002522 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	GENOTYPE	PRICE
Cryo Recovery	Heterozygous or Wild-type for Myf5<tm1Jae>	\$2,854.50

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we

fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a [Dedicated Supply](#) for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

## 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.

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## ← Terms Of Use

### Terms of Use

[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

### Additional Use Restrictions Apply

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

### Licensing Information

Phone: 207-288-6470

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

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**TOMORROW'S CURES**

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