

B6;129-Myod1^{tm1.1(cre/ERT,TVA)Gcg}/J

Stock No: **024475**

 Targeted Mutation

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

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satellite cells and myoblasts.

Donating Investigator

Gerard C Grosveld, St. Jude Children's Research Hospital

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GENETIC OVERVIEW

Genetic Background

Generation

Myod1^{tm1.1(cre/ERT,TVA)Gcg}

Alele Type

Targeted (Recombinase-expressing, Inducible)

Gene Symbol

Myod1

Gene Name

myogenic differentiation 1

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

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

These knock in mice express a cre/ERT (CreER) fusion protein and a TVA (avian leukosis virus receptor) from endogenous *Myod1* promoter/enhancer elements. Homozygous mice are viable and fertile. When $MyoD^{CE/CE}$ mice are bred with mice containing *loxP*-flanked sequence, tamoxifen-inducible, *cre* mediated recombination will result in deletion of the floxed sequences, and cells expressing the knock in allele can be infected with the RCAS viral vector to deliver experimental or reporter genes for lineage tracing. The Donating Investigator reports that in homozygotes, *Myod1* is expressed but at levels lower than detected in wildtype controls.

Development

Expression Data

Control Suggestions

Selected References

Genetics

$Myod1^{tm1.1(cre/ERT,TVA)Gcg}$

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:[Myod1-Alternate 1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice can be bred as homozygotes.

[Additional Breeding and Husbandry Support](#)

Mating System

Heterozygote x Heterozygote

Citation

When using the B6;129-Myod1^{tm1.1(cre/ERT,TVA)Gcg}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #024475 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 or Wildtype for Myod1<tm1.1(cre/ERT,TVA)Gcg>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6;129-Myod1^{tm1.1}(cre/ERT TVA)Gcg>/J Frozen Embryo

\$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

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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

Related Strains

All

By Allele

By Gene

By Collection



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