

B6;129-Gatad2a^{tm1Rnu}/J

Stock No: **008105** | mp66α KO

 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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Donating Investigator

Roel Nusse, Stanford University

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GENETIC OVERVIEW

Genetic Background

Generation

Gatad2a^{tm1Rnu}

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Gatad2a

GATA zinc finger domain containing 2A

VIEW GENETICS

RESEARCH APPLICATIONS

Developmental Biology 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

Homozygous targeted mutant mice die between implantation and embryonic day 12.5. There is great variability in phenotype, with some pups showing severe malformations, while others develop almost normally but arrest in development prior to their death. Virtually every organ of mutant embryos could be affected, resulting in dramatically smaller embryos and advanced stages of necrosis. Expression of the targeted gene has been assayed by Northern blot analysis of embryonic stem (ES) cells carrying the mutation and aberrant RNA was found; this is a loss of function mutation. These animals are useful in studies of development.

Development

Selected References

Genetics

Gatad2a^{tm1Rnu}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintained as a live colony, heterozygotes may be bred. Homozygotes are embryonic lethal. Because of fertility problems in male heterozygotes, males must be tested for fertility. Female heterozygotes do not appear to have fertility problems.

[Additional Breeding and Husbandry Support](#)

Citation

When using the mp66 α KO mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #008105 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 Wild-type for <i>Gatad2a</i> ^{tm1Rnu}	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6;129- <i>Gatad2a</i> ^{tm1Rnu} /J Frozen Embryo	\$2595.00
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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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CONTACT



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TOMORROW'S CURES



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Yes No