

**B6J.B6N(Cg)-Sec24d<sup>tm1d(EUCOMM)Hmgu</sup>/DgiJ**

Stock No: **025749**

 Congenic, 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

David Ginsburg, University of Michigan

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## GENETIC OVERVIEW

Genetic Background

Generation

*Sec24d<sup>tm1d(EUCOMM)Hmgu</sup>*

**Allele Type**

**Gene Symbol**

**Gene Name**

Targeted (Null/Knockout)

*Sec24d*

Sec24 related gene family, member D (S. cerevisiae)

VIEW GENETICS

## RESEARCH APPLICATIONS

Cell 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

SEC24 proteins are responsible for selectively recruiting cargo proteins from the endoplasmic reticulum (ER) into COPII vesicles that mediate transport to the Golgi. *Sec24d* (Sec24 related gene family, member D (*S. cerevisiae*)) is one of four mammalian *Sec24* paralogs which are highly conserved at the C-terminus and variable in the N-terminal region. Mice completely lacking SEC24D die during embryonic development.

Exons 5 and 6 of the *Sec24d* gene have been deleted in this null allele. Homozygotes are presumed to be embryonic lethal prior to E3.5. Heterozygotes are viable, healthy, and fertile, and without an overt phenotype. It has not been confirmed whether the targeted allele produces any protein.

### Development

### Control Suggestions

## Genetics

### *Sec24d*<sup>tm1d(EUCOMM)Hmgu</sup>

## Disease/Phenotype

### Disease Terms

### Research Areas By Phenotype

### Mammalian Phenotype Terms by Genotype

### References

## Technical Support

### CONTACT TECHNICAL SUPPORT

#### Genotyping Protocols

Separated MCA:[Sec24d](#)

[Genotyping resources and troubleshooting](#)

#### Breeding Considerations

Heterozygotes are viable and fertile. Homozygotes are presumed to be embryonic lethal.

[Additional Breeding and Husbandry Support](#)

#### Mating System

Wild-type x Heterozygote

Heterozygote x Wild-type

#### Citation

When using the B6J.B6N(Cg)-Sec24d<sup>tm1d(EUCOMM)Hmgu</sup>/DgiJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #025749 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 NOT-FOR-PROFIT & ACADEMIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
<a href="#">Cryo Recovery</a>	Heterozygous or wildtype for Sec24d<tm1d(EUCOMM)Hmgu>	\$2,854.50

## 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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#### ADDITIONAL USE RESTRICTIONS APPLY

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[Use of MICE only available to non-profit entities.](#)

#### LICENSING INFORMATION

Phone: 207-288-6470  
Email: [TechTran@jax.org](mailto:TechTran@jax.org)

### Related Strains

All

By Allele

By Gene

By Collection






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