

C57BL/6J-*Ube2o*<sup>hem9</sup>/MdfJ

Stock No: 029093 | *Ube2o*<sup>hem9</sup>

Chemically Induced Mutation, Coisogenic

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

PLACE ORDER

[Email](#) [Download PDF](#) [Help](#)

Homozygous mice exhibit hypochromic, microcytic anemia associated with erythrocytosis and may be useful in studying proteomic remodeling in erythropoiesis.

### Donating Investigator

Mark D Fleming, Children's Hospital Boston

Monica Justice, The Hospital for Sick Children (SickKids)

READ MORE +

## GENETIC OVERVIEW

Genetic Background

Generation

*Ube2o*<sup>hem9</sup>

**Alele Type**

Chemically induced (ENU)  
(Null/Knockout)

**Gene Symbol**

*Ube2o*

**Gene Name**

ubiquitin-conjugating enzyme E2O

VIEW GENETICS

## RESEARCH APPLICATIONS

Research Tools

Hematological Research

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

The targeted *Ube2o* gene encodes an E2-E3 hybrid ubiquitin-protein ligase. These *Ube2o*<sup>hem9</sup> chemically-induced (ENU) mutant mice carry the c.3361G>T/p.E1121X nonsense mutation, which results in truncation of the C-terminal 168 amino acids and loss-of-function mutation. No gene product (protein) is detected by western blot analysis of blood from homozygotes. Ribosome elimination during erythrocyte maturation is absent in mutant mice. TEM examination reveals inclusions in late stage reticulocytes. Mice that are homozygous for this mutant allele are viable and fertile.

#### Development

#### Control Suggestions

#### Selected References

### Genetics

#### *Ube2o*<sup>hem9</sup>

### 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

Sanger sequencing: [Ube2o](#)

[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 Ube2o<sup>hem9</sup> mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #029093 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
<a href="#">Cryo Recovery</a>	Heterozygous for Ube2o<hem9>	\$2,854.50

RELATED PRODUCTS AND SERVICES		
<a href="#">Frozen Mouse Embryo</a>	C57BL/6J-Ube2o<hem9>/MdfJ	\$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

### 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)

## Related Strains

All

By Allele

By Gene

By Collection



## DO YOU NEED BALB/c MICE?

Rely on JAX to provide the models you need, when you need them.

[LEARN MORE](#)



CONTACT



DONATE



SUBSCRIBE

[JAX HOME](#) [CAREERS](#) [LEGAL INFORMATION](#)

[RESEARCH CENTERS](#) [MOUSE GENOME INFORMATICS](#)


[MOUSE PHENOME DATABASE](#)

*Leading the search for*

# TOMORROW'S CURES



©2021 THE JACKSON LABORATORY

Choose other country or region 

^ E E E D B

Did you find what you were looking for?

Yes  No