

**B6;129S4-*Man1a2*<sup>tm1.1Ahe</sup>/J**

Stock No: **007672**

 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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areas and delayed lung development. This mutant mouse strain may be useful in studies of lung development and pulmonary physiology.

### Donating Investigator

Annette Herscovics, McGill University

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## GENETIC OVERVIEW

Genetic Background

Generation

*Man1a2*<sup>tm1.1Ahe</sup>

**Alele Type**

Targeted (Null/Knockout)

**Gene Symbol**

*Man1a2*

**Gene Name**

mannosidase, alpha, class 1A, member 2

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

Mice that are heterozygous for the targeted mutation are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. Homozygous mice have a perinatal lethal phenotype and die within hours of birth due to respiratory distress (cyanosis and alveolar hemorrhage). No gene product (mRNA) is detected by RT-PCR analysis of total RNA from homozygous embryonic tissues. At embryonic day 18.5 homozygous embryos exhibit reduced alveolar air space, thickened alveolar walls, small atelectactic areas and delayed lung development. This mutant mouse strain may be useful in studies of lung development and pulmonary physiology.

#### Development

#### Control Suggestions

#### Selected References

### Genetics

#### *Man1a2<sup>tm1.1Ahe</sup>*

### Disease/Phenotype

#### Disease Terms

#### Research Areas By Phenotype

#### Mammalian Phenotype Terms by Genotype

- 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

Separated PCR:[Man1a2](#)

Standard PCR:[Man1a2 HRM](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice are bred as heterozygotes. Homozygotes have a perinatal lethal phenotype and die within hours of birth.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6;129S4-*Man1a2*<sup>tm1.1Ahe</sup>/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007672 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 or Wild-Type for <i>Man1a2</i> <tm1.1Ahe> | \$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.

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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

#### 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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# TOMORROW'S CURES



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