

STOCK *Hmx1*^{*dmb0*} /KjnJ

Stock No: **015824** | *dumbo*

 **Chemically Induced Mutation**

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

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die within the first three days of life. This strain is a model for oculo-auricular syndrome.

Donating Investigator

Dr. Ken Johnson, JAX

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GENETIC OVERVIEW

Genetic Background

Generation

Hmx1^{*dmb0*}

Alele Type

Gene Symbol

Gene Name

Chemically induced (ENU)

Hmx1

H6 homeobox 1

VIEW GENETICS

RESEARCH APPLICATIONS

Developmental Biology Research

Mouse/Human Gene Homologs

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 homozygous for the dumbo mutation have low set, laterally protruding ears. They are smaller in overall body size than normal, with males weighing about half that of normal littermates at three days of age and lagging behind through nine days of age. Most have microphthalmia. This mutation causes perinatal lethality such that approximately 40% fewer homozygotes than predicted by standard Mendelian genetics are found at three weeks of age. Further assessment showed that most of the homozygous death occurs within the first three days of life and is strongly associated with exencephaly. This strain is a model for oculo-auricular syndrome.

Development

Genetics

Hmx1^{dmbo}

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

[Genotyping resources and troubleshooting](#)

Citation

When using the dumbo mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #015824 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 for Hmx1<dmbo>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	STOCK Hmx1<dmbo>/KjnJ	\$2595.00
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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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LICENSING INFORMATION

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Email: TechTran@jax.org

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All

By Allele

By Gene

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TOMORROW'S CURES



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