

B6;129P2-*Bace2*^{tm1Bdes}/J

Stock No: **005618** | BACE2 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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These *Bace2* knock-out mice exhibit a lack of beta-secretase activity and may be suitable for use in applications related to Alzheimer's disease.

Donating Investigator

Bart de Strooper, KU Leuven and VIB

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GENETIC OVERVIEW

Genetic Background

Generation

Bace2^{tm1Bdes}

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Bace2

beta-site APP-cleaving enzyme 2

VIEW GENETICS

RESEARCH APPLICATIONS

Mouse/Human Gene Homologs
Neurobiology 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 homozygous for the targeted mutation are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. Transcripts derived from the targeted locus do not contain exon 6. One of the enzyme's active sites is encoded by exon 6 so consequently, proteins generated from the targeted locus lack beta-secretase activity. This mutant mouse strain may be useful in studies of Alzheimer's disease.

Development

Control Suggestions

Selected References

Genetics

Bace2^{tm1Bdes}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR:[Bace2 Alternate1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice are bred as homozygotes.

[Additional Breeding and Husbandry Support](#)

Citation

When using the BACE2 KO mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #005618 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
Cryo Recovery	Heterozygous or wildtype for Bace2 <tm1Bdes>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6;129P2- Bace2 <tm1Bdes>/J Frozen Embryos	\$2595.00
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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

ADDITIONAL USE RESTRICTIONS APPLY

NOT AVAILABLE TO COMPANIES OR FOR COMMERCIAL
[Use of MICE only available to non-profit entities.](#)

LICENSING INFORMATION

Phone: 207-288-6470
Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection



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Leading the search for

TOMORROW'S CURES



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