

B6.129S7-*Aplp2*^{tm1Dbo}/J

Stock No: **004142** | APLP2 KO

 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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decreased forelimb grip strength, and decreased locomotor activity than wild-type littermates.

Donating Investigator

Dr. David R Borchelt, University of Florida

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GENETIC OVERVIEW

Genetic Background

Generation

Aplp2^{tm1Dbo}

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Aplp2

amyloid beta (A4) precursor-like protein 2

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology 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 that are homozygous null for the *Aplp2* gene are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. No *Aplp2* gene product (mRNA or protein) is detected. This strain may be useful in studies related to Alzheimer's Disease, especially if used in conjunction with other mutant mouse strains (see B6.129S7-*App*^{tm1Dbo}, Stock No. 004133).

Development

Control Suggestions

Selected References

Genetics

Aplp2^{tm1Dbo}

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

Standard PCR:[Aplp2](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

This strain originated on a B6;129S7 background and has been backcrossed to C57BL/6J for at least 5 generations (7/01).

[Additional Breeding and Husbandry Support](#)

Citation

When using the APLP2 KO mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #004142 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 Aplp2 <tm1Dbo>	\$2,854.50

RELATED PRODUCTS AND SERVICES

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

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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TOMORROW'S CURES



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