

B6.129-*Apbb1*^{tm1^{Quhu}}/J

Stock No: **005708** | p97FE65 KO

 Congenic, Targeted Mutation

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](#)

extinction. They are suitable for use in applications related to the study of Alzheimer's disease and other learning/memory applications.

Donating Investigator

Qubai Hu, University of Washington

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

Apbb1^{tm1^{Quhu}}

Allele Type

Targeted (Null/Knockout)

Gene Symbol

Apbb1

Gene Name

amyloid beta (A4) precursor protein-binding, family B, member 1

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

Research Tools

Cell 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

Homozygous mice are viable and normal in size and display no physical or histopathologically demonstrable abnormalities. Homozygotes are fertile but poor breeders, while heterozygous mice have no breeding problems. The endogenous full-length 97 kDa protein (p97) is not expressed in brain tissue from homozygous mice. The 60 kDa (p60) N-terminal truncated isoform of the endogenous protein is expressed in mutant and wildtype brain tissue, with mutant mice exhibiting 4-5-fold greater levels. Homozygous null mice exhibit slower learning rates on both aversive and spatial memory tasks and severe impairments in spatial memory extinction during relearning. Heterozygotes have an intermediate phenotype, except with normal spatial memory extinction during relearning. Fibroblasts from null mice show diminished neprilysin activity and mRNA expression. This mouse may be useful in studies of Alzheimer's disease, beta-amyloid precursor protein metabolism, hippocampus-dependent learning and memory, cell movement, transcription factors and activation, and cell cycle regulation.

+ Development

+ Control Suggestions

+ Selected References

– Genetics

+ *Apbb1^{tm1Quhu}*

– 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

Standard PCR:[Apbb1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice are bred as heterozygotes. Homozygous null mice are fertile but poor breeders.

[Additional Breeding and Husbandry Support](#)

Citation

When using the p97FE65 KO mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #005708 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 or Wild-type for Apbb1<tm1Quhu>	\$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.

Terms Of Use

TERMS OF USE

[General Terms and Conditions](#)

QUESTIONS ABOUT TERMS OF USE

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

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