

B6.129-Akap6^{tm1Jsc0}/38J

Stock No: **007448**

 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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Donating Investigator

John D. Scott, University of Washington

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GENETIC OVERVIEW

Genetic Background

Generation

Akap6^{tm1Jsc0}

Allele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Akap6

A kinase (PRKA) anchor protein 6

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

Homozygous mice have reduced viability, especially on a C57BL/6 background. Approximately 1 out of 4 homozygotes are very small and die before reaching 2 weeks of age. The remaining homozygotes are 20-30% smaller than wildtype and heterozygous littermates; these survive and eventually become similar in size to wildtypes. All homozygotes have a characteristic craniofacial defect that includes a very pointed nose, eyes that are delayed in opening, and a shortened jaw. The alpha transcript of the gene is absent, as determined by brain mRNA and protein assays. Beta transcript RNA is present in heart and brain.

Development

Selected References

Genetics

Akap6^{tm1Jsc0}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR:[Akap6](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintained as a live colony, heterozygotes may be bred. Homozygotes have reduced viability.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.129-*Akap6*^{tm1Jsc0}/38J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007448 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 Akap6-<tm1Jsc0>	\$2,854.50

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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

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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