

B6C3Fe *ala-Pitpna*^{vb} /J

Stock No: 000246

 Spontaneous Mutation

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

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and coarse cerebellar tremor, and finally a terminal phase in which there is loss of consciousness and death. Death occurs by 30 days of age in vibrator mutant mice on an inbred genetic background but many derived from outcrosses may live to 6 months. Mammary glands in homozygotes exhibit underdeveloped alveolar and ductal structures and the fat pad is composed predominantly of brown adipose tissue (Monaco et al., 2004). Neutral lipids are increased two to four fold in the livers of homozygotes (Monaco et al., 2004). The expression of phosphatidylinositol transfer protein alpha is decreased 65-85% compared to wildtype littermates (Monaco et al., 2004).

GENETIC OVERVIEW

Genetic Background Generation

a

Alele Type	Gene Symbol	Gene Name
Spontaneous	<i>a</i>	nonagouti

Pitpna^{vb}

Alele Type	Gene Symbol	Gene Name
Spontaneous	<i>Pitpna</i>	phosphatidylinositol transfer protein, alpha

VIEW GENETICS

RESEARCH APPLICATIONS

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 homozygous for the vibrator spontaneous mutation (*Pitpn^{vb}*) are recognizable at 10 to 12 days of age by a fine rapid tremor. This is followed by a degenerative phase in which there is progressive development of ascending motor paralysis and coarse cerebellar tremor, and finally a terminal phase in which there is loss of consciousness and death. Death occurs by 30 days of age in vibrator mutant mice on an inbred genetic background but many derived from outcrosses may live to 6 months. Mammary glands in homozygotes exhibit underdeveloped alveolar and ductal structures and the fat pad is composed predominantly of brown adipose tissue (Monaco et al., 2004). Neutral lipids are increased two to four fold in the livers of homozygotes (Monaco et al., 2004). The expression of phosphatidylinositol transfer protein alpha is decreased 65-85% compared to wildtype littermates (Monaco et al., 2004).

Development

Control Suggestions

Genetics

a

Pitpna^{vb}

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

Separated MCA:[Pitpna Alternate 1](#)

[Genotyping resources and troubleshooting](#)

Citation

When using the B6C3Fe *ala-Pitpna^{vb}* /J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #000246 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	Homozygous for a, Homozygous or Heterozygous or Wild-type for Pitpna<vb>	\$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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