

B6.129P2-*Pltp*^{tm1Jia}/J

Stock No: **003918** | PLTP-

 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

Xian-cheng Jiang, Columbia University

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GENETIC OVERVIEW

Genetic Background Generation

Pltp^{tm1Jia}

Alele Type	Gene Symbol	Gene Name
Targeted (Null/Knockout)	<i>Pltp</i>	phospholipid transfer protein

VIEW GENETICS

RESEARCH APPLICATIONS

Cardiovascular 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 null for the *Pltp* gene are viable and fertile. No *Pltp* mRNA is detected in the tissues that normally express *Pltp* (lung and liver). In the Repository colony, *Pltp* activity is detected in BAL fluid & lung homogenates. Marked decreases in plasma HDL phospholipid (66%), cholesteryl ester (69%), free cholesterol (70%) and apoA1 are observed. When mice are maintained on a high fat/high cholesterol diet, similar reductions are observed, as are increases in VLDL and LDL phospholipid, free cholesterol and cholesteryl ester. This mutant strain offers a model useful in studies related to cholesterol metabolism and atherosclerosis.

Development

Selected References

Genetics

Pltp^{tm1Jia}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR:[Pltp-STD](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

This strain originated on a B6;129P2 background and has been backcrossed to C57BL/6 for at least eight generations.

[Additional Breeding and Husbandry Support](#)

Citation

When using the PLTP- mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003918 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 Pltp	\$2,854.50

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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

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By Collection






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