

B6;129S6-Pdzk1^{tm1Dls}/J

Stock No: **006208** | PDZK1 KO

 Targeted Mutation

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

PLACE ORDER

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Donating Investigator

Dr. David L. Silver, Albert Einstein College of Medicine

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GENETIC OVERVIEW

Genetic Background

Generation

Pdzk1^{tm1Dls}

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Pdzk1

PDZ domain containing 1

VIEW GENETICS

RESEARCH APPLICATIONS

Internal/Organ Research

Metabolism Research

Cardiovascular 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

Mice homozygous for this targeted mutation are viable and fertile. Liver tissue from homozygous mutant mice lacks endogenous protein expression. Homozygotes, but not heterozygotes, have significantly decreased (~85-95%) hepatic high density lipoprotein (HDL) receptor scavenger receptor B-I (SR-BI) levels. This decrease is further exacerbated following diet supplementation with the PPAR-alpha activator fenofibrate. These mice may be useful in studies of cardiovascular health and atherosclerosis, lipid metabolism, SR-B1 regulation, kidney function, as well as kidney transporter (e.g. urate transporter) regulation and liver organic anion transport.

Development

Control Suggestions

Selected References

Genetics

Pdzk1^{tm1Dls}

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

Separated PCR:[Pdzk1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, homozygous mice may be bred together.

[Additional Breeding and Husbandry Support](#)

Citation

When using the PDZK1 KO mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #006208 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 for Pdzk1<tm1Dls>	\$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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