

STOCK *Hilpda*^{tm1.1Nat} /JStock No: **017360** 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](#)

Donating Investigator

Jeremy Nathans, Johns Hopkins University

[READ MORE +](#)

GENETIC OVERVIEW

Genetic Background**Generation***Hilpda*^{tm1.1Nat}**Allele Type****Gene Symbol****Gene Name**

Targeted (Null/Knockout)

Hilpda

hypoxia inducible lipid droplet associated

[VIEW GENETICS](#)

RESEARCH APPLICATIONS

Research Tools

[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

The single exon of the 2310016C08Rik gene (commonly called *Hig2*, hypoxia inducible gene 2; GenBank AF141311) is flanked by loxP sites and followed by a membrane-tethered human placental alkaline phosphatase (hPLAP) in this conditional targeted mutation strain. Expression of the targeted gene is expected to be normal in the conditional allele. Following Cre-mediated recombination, the exon is excised enabling transcription of hPLAP under the control of the *Hig2* promoter. hPLAP is expressed only when the *Hig2* coding sequences are deleted by Cre-dependent excision. When crossed with a germline Cre strain (Sox2-Cre), expression of hPLAP was found to be widely expressed, with highest levels in the vasculature.

Development

Control Suggestions

Genetics

Hilpda^{tm1.1Nat}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR:[2310016C08Rik](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

Homozygous or heterozygous mice may be bred.

[Additional Breeding and Husbandry Support](#)

Citation

When using the STOCK *Hilpda*^{tm1.1Nat}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #017360 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 <i>Hilpda</i> <tm1.1Nat>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	STOCK <i>Hilpda</i> <tm1.1Nat>/J	\$2595.00
-------------------------------------	----------------------------------	-----------

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](#)

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



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 F F D B

Did you find what you were looking for?

Yes No