The Jackson Laboratory

C.129S2-*Plau* ^{tm1Mlg}/J

Stock No: **002328** | u-PA

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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knock-out. They are suitable for use in applications related to the study of the fibrinolytic system.

Donating Investigator

Dr. Peter Carmeliet, University of Leuven

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GENETIC OVERVIEW

Genetic Background	Generation

Plau^{tm1Mlg}

Allele Type	Gene Symbol	Gene Name
Targeted (Null/Knockout)	*Plau*	plasminogen activator, urokinase

VIEW GENETICS

RESEARCH APPLICATIONS

Metabolism Research
Hematological Research
Neurobiology Research

VIEW ALL RESEARCH APPLICATION

BASE PRICE

Starting at:

$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

Homozygotes develop normally, are fertile and have a normal life span. Rectal prolapse of a non-infectious origin develops in 9% of homozygotes and/or extensive non-healing ulcerations occur at the eyelids and around the face. Small, focal fibrin deposits are occasionally seen in the intestines and in the sinusoids of the liver, and excessive fibrin deposits are seen in ulcerated skin or prolapsed rectum. Pulmonary clot lysis is comparable to that seen in normal wildtype siblings. Endotoxin induced venous thrombosis is increased over normal wildtype siblings. Fibrin dissolution by PLAU-deficient macrophages is greatly reduced but macrophage invasion into the peritoneal cavity after thioglycollate injection is unaffected. Homozygous knockout mice have increased levels of Abeta42 and Abeta40 in plasma. Brain Abeta levels are not significantly different than controls. *In an attempt to offer alleles on well-characterized or multiple genetic backgrounds, alleles are frequently moved to a genetic background different from that on which an allele was first characterized. This is the case for the strain above. It should be noted that the phenotype could vary from that originally described. We will modify the strain description if necessary as published results become available.*

Control Suggestions

Selected References

Genetics

Plau^{tm1Mlg}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols
Genotyping resources and troubleshooting

Breeding Considerations

This strain is maintained by homozygous sibling matings.

Additional Breeding and Husbandry Support

Citation
When using the u-PA^{-} mouse strain in a publication, please cite the originating article(s) and include JAX stock #002328 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 | **Internatic**

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Heterozygous for Plau<tm1Mlg>	$2,854.50

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

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General Terms and Conditions

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LICENSING INFORMATION

Phone: 207-288-6470
Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection

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