



STOCK ~~CP~~ b4 1^{m1}1³J

Stock No: 007681

Targeted Mutation



CRYORECOVERY

PLACE ORDER

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

Overview

Because 4.1B expression is frequently downregulated in human clinical prostate cancer (and a spectrum of other tumor types), these 4.1B mutant mice may be useful in studying the role of 4.1B as a negative regulator of cancer progression to metastatic disease.

Donating Investigator

Joseph L Kissil, The Scripps Research Institute, Scripps Florida

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GENETIC OVERVIEW

Genetic Background Generation

Epb4113^{tm1Jkis}

Allele Type	Gene Symbol	Gene Name
Targeted (Null/Knockout)	<i>Epb4113</i>	erythrocyte membrane protein band 4.1 like 3

V I E W G E N E T I C S

RESEARCH APPLICATIONS

Cancer Research
Research Tools

V I E W A L L R E S E A R C H A P P L I C A T I O N S

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 4.1B/Dal-1 targeted allele are viable, fertile, and age normally with no spontaneous tumor formation. Lung, brain, breast, and prostate tissues from homozygotes show no protein expression from the mutant locus. Although 4.1B-deficient females do not form tumors of the mammary gland, a significant increase in mammary epithelial cell proliferation during pregnancy is observed. When these 4.1B-deficient mice are bred with TRAMP transgenic mice (see Sock No. [003135](#)), the resulting double mutant offspring exhibit increased susceptibility for developing aggressive prostate carcinomas and enhanced tumor malignancy associated with reduced apoptosis. Because 4.1B expression is frequently downregulated in human clinical prostate cancer (and a spectrum of other tumor types), these 4.1B mutant mice may be useful in studying the role of 4.1B as a negative regulator of cancer progression to metastatic disease.

Development

Control Suggestions

Selected References

Genetics

[+ Epb41l3^{tm1Jkis}](#)

Disease/Phenotype

[+ Disease Terms](#)

[+ Research Areas By Genotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

Technical Support

CHAT  OFFLINE

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Breeding Considerations

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

[Additional Breeding and Husbandry Support](#)

Citation

When using the STOCK [Epb41l3^{tm1Jkis}](#) /J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007681 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

GENOTYPE

PRICE

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a [Dedicated Supply](#) for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

Related Products and Services

Frozen Mouse Embryo

STOCK Epb41I3<tm1Jkis>/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

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Terms of Use

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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

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Licensing Information

Phone: 207-288-6470

Email: TechTran@jax.org

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TOMORROW'S CURES

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