

FVB.Cg-Tg(Pbsn-Cdc37)1Stp/J

Stock No: 003739 | PB-CDC37

 Congenic, Transgenic

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

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over expression in prostatic epithelia.

Donating Investigator

The Jackson Laboratory

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GENETIC OVERVIEW

Genetic Background

Generation

Tg(Pbsn-Cdc37)1Stp

Alele Type

Transgenic (Inserted expressed sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Cancer 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

This strain expresses *Cdc37* under the direction of a rat probasin promoter resulting in over expression in prostatic epithelia, a tissue where the *Cdc37* gene product is absent or present at low levels. While less than ten percent of wildtype littermates develop some degree of hyperplasia by twelve months of age, eighty percent of these transgenic mice exhibit prostatic growth-related disturbances by eight months. Expression is limited to the ventral lobe of the prostate. Correspondingly, hyperplasia is restricted to the ventral prostate. Hyperplasia is frequently accompanied by necrosis. The transgenic insertion site is assumed to be on the Y chromosome as all transgenics are male.

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.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(Pbsn-Cdc37)1Stp

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 generally maintained as a hemizygote.

[Additional Breeding and Husbandry Support](#)

Citation

When using the PB-CDC37 mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003739 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](#)

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Cryo
Recovery

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Domestic | International

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

| SERVICE/PRODUCT | DESCRIPTION | PRICE |
|-------------------------------|--|------------|
| Cryo Recovery | Hemizygous or Non carrier for Tg(Pbsn-Cdc37)1Stp | \$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

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Email: TechTran@jax.org

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TOMORROW'S CURES



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