

B6.129P2-*Prlr*^{tm1Cnp} /J

Stock No: **003142** | PRLR-

 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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Donating Investigator

Dr. Paul A. Kelly, Faculte de Medecine Necker

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GENETIC OVERVIEW

Genetic Background

Generation

Prlr^{tm1Cnp}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Prlr

Gene Name

prolactin receptor

VIEW GENETICS

RESEARCH APPLICATIONS

Cancer Research

Developmental Biology Research

Endocrine Deficiency Research

Neurobiology Research

Reproductive 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

There is complete female sterility due to aberrant estrous cycles, abnormal preimplantation development of eggs, no implantation of blastocysts, lack of pseudopregnancy. Males show slightly delayed fertility. Mammary development is markedly affected. Homozygotes have no mammary development and do not lactate. Heterozygotes are unable to lactate after the first pregnancies, but attain some degree of lactation as they age or after multiple pregnancies. Serum prolactin levels are increased 60 - 100 fold in both males and females. Maternal behavior is diminished in pimplarous and nulliparous animals. Bone remodelling is decreased in homozygote mutants.

Development

Control Suggestions

Selected References

Genetics

$Prlr^{tm1Cnp}$

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR:[Prlr](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, heterozygous mice may be bred together, to wildtype mice from the colony. Homozygous females are sterile and males exhibit delayed fertility.

[Additional Breeding and Husbandry Support](#)

Appearance

black

Related Genotype: *a/a*

Citation

When using the PRLR- mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003142 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	Wildtype females and Heterozygous males for Prlr	\$2,854.50

Related Products and Services

Frozen Mouse Embryo	B6.129P2- Prlr /J	\$2595.00
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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.

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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

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By Allele

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