

B6.129P2-*Bpnt2*^{Gt(RST634)Byg} /J

Stock No: **012922**

 Congenic, Gene Trap

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

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ossification which are hypothesized to be due to an undersulfonation of chondroitin and heparin sulfate. This strain may be useful in studies of skeletal development and sulfation.

Donating Investigator

John York, Duke University Medical Center

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GENETIC OVERVIEW

Genetic Background

Generation

Bpnt2^{Gt(RST634)Byg}

Alele Type

Gene trapped (Reporter,
Null/Knockout)

Gene Symbol

Bpnt2

Gene Name

3'(2'), 5'-bisphosphate nucleotidase 2

VIEW GENETICS

RESEARCH APPLICATIONS

Developmental Biology Research
Internal/Organ 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

Homozygous *Bpnt2* (3'(2'), 5'-bisphosphate nucleotidase 2; also called gPAPP) mutant mice die within 10 minutes of birth due to severe respiratory insufficiency and chondrodysplasia. Mutants have shortened limbs due to defects in endochondral ossification which are hypothesized to be due to an undersulfonation of chondroitin and heparin sulfate. No phenotypic differences have been observed between this C57BL/6 background strain and the mixed C57BL/6-129 background strain (Stock No. 012921). This strain may be useful in studies of skeletal development and sulfation.

Development

Selected References

Genetics

Bpnt2^{Gt(RST634)Byg}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

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

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintained as a live colony, heterozygotes may be bred. Homozygotes die shortly after birth.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.129P2-*Bpnt2*^{Gt(RST634)Byg}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #012922 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 or wildtype for <i>Impad1</i> <Gt(RST634)Byg>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6.129P2- <i>Impad1</i> <Gt(RST634)Byg>/J	\$2595.00
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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

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection



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TOMORROW'S CURES



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