



B 6 . 1 *Pnk^{tm1Ljp}/J*

Stock No: 018409

Congenic, Targeted Mutation



CRYORECOVERY

P L A C E O R D E R

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

Overview

These *Pnk* knockout mice exhibit lower glutathione brain levels and may be useful in studies of cellular redox regulation and autosomal dominant episodic movement disorder (PKND).

Donating Investigator

Louis Ptacek, University of California, San Francisco

R E A D M O R E +

GENETIC OVERVIEW

Genetic Background

Generation

Pnkd^{tm1Ljp}

Allele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Pnkd

paroxysmal nonkinesigenic dyskinesia

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

RESEARCH APPLICATIONS

Neurobiology Research

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

The autosomal dominant episodic movement disorder, paroxysmal nonkinesigenic dyskinesia (PKND), is associated with uncharacterized human gene, *PNKD*. *Pnkd* is widely expressed in the mouse brain. Homozygous mice deficient in *Pnkd* exhibit lower glutathione levels in the frontal cortex and impaired motor coordination. This mutant mouse strain may be useful in studies of cellular redox regulation and autosomal dominant episodic movement disorder (PKND).

Development

Control Suggestions

Selected References

Genetics

Pnkd^{tm1Ljp}

– Disease/Phenotype

+ Disease Terms

+ Research Areas By Genotype

+ Mammalian Phenotype Terms by Genotype

+ References

– Technical Support

CHAT OFFLINE

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR: [Pnkd^{tm1Ljp}](#)

Separated PCR: [Pnkd^{tm1Ljp}](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

The donating investigator maintains these mice as a heterozygote x heterozygote mating.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.129-[Pnkd^{tm1Ljp}](#)/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #018409 in your Materials and Methods section.

[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
Cryo Recovery	Heterozygous or wildtype for Pnkd<tm1Ljp>	\$2,854.50

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

[B6.129-Pnkd<tm1Ljp>/J Frozen Embryo](#)

\$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.

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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

Additional Use Restrictions Apply

[Use of MICE by companies or for-profit entities requires a license prior to shipping.](#)

Licensing Information

Phone: 207-288-6470

Email: TechTran@jax.org

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