

B6.129-Grk3^{tm1Rjl} /J

Stock No: **012431**

 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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airway smooth muscle cells exhibit supersensitivity to muscarinic agents, and brain neurons exhibit altered kappa opioid receptor-dependent tolerance.

Donating Investigator

Robert Lefkowitz, Duke University Medical Center

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GENETIC OVERVIEW

Genetic Background

Generation

Grk3^{tm1Rjl}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Grk3

Gene Name

G protein-coupled receptor kinase 3

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

Sensorineural 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

Adrbk2 (adrenergic receptor kinase, beta 2; also called GRK3) is the major G protein-coupled receptor kinase family member in olfactory neurons, and mice lacking GRK3 exhibit a deficit in desensitization to olfactants. In homozygous mice, airway smooth muscle cells exhibit supersensitivity to muscarinic agents, and brain neurons exhibit altered kappa opioid receptor-dependent tolerance. Expression is eliminated in olfactory neuroepithelium, brain, and airway smooth muscle cells.

Development

Control Suggestions

Selected References

Genetics

Grk3^{tm1Rjl}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR:[Adrbk2](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintained as a live colony, heterozygotes or homozygotes may be bred.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.129-Grk3^{tm1Rjl}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #012431 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 NOT-FOR-PROFIT & ACADEMIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Heterozygous for Adrbk2<tm1Rjl>	\$2,854.50

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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

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LICENSING INFORMATION

Phone: 207-288-6470
Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection






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Yes No