

B6;129-Gabrd^{tm1.1Jmag} /J

Stock No: **023836** | floxed Gabrd

 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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may be useful for generating conditional mutations in applications related to the regulation of nervous system electrophysiology and GABAergic inhibition.

Donating Investigator

Jamie Maguire, Tufts University School of Medicine

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GENETIC OVERVIEW

Genetic Background

Generation

Gabrd^{tm1.1Jmag}

Allele Type

Targeted (Conditional ready (e.g. floxed), No functional change)

Gene Symbol

Gabrd

Gene Name

gamma-aminobutyric acid (GABA) A receptor, subunit delta

VIEW GENETICS

RESEARCH APPLICATIONS

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

The *Gabrd* (gamma-aminobutyric acid (GABA) A receptor, subunit delta) gene encodes for the delta subunit of the GABAA receptor which is a member of the cys-loop family of ligand-gated ion channels. These mice possess *loxP* sites flanking exons 2 through 5 and a portion of exon 6 of the targeted gene. Exons 2 through 5 and a portion of exon 6 encode 204 amino acids N-terminal of the extracellular domain. Mice that are homozygous for this allele are viable and fertile. When these mutant mice are bred to mice that express Cre recombinase, resulting offspring will have exons 2 through 5 and a portion of exon 6 deleted in the *cre*-expressing tissues.

When bred to a strain with Cre recombinase expression in GAD65-positive interneurons (see Stock No. [010802](#) for example), this mutant mouse strain may be useful in studies of nervous system electrophysiology and tonic inhibition in interneurons.

Development

Control Suggestions

Selected References

Genetics

Gabrd^{tm1.1Jmag}

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

Standard PCR:[Gabrdalternate1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice can be bred as homozygotes.

[Additional Breeding and Husbandry Support](#)

Citation

When using the floxed Gabrd mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #023836 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

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DomesticInternational

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT

DESCRIPTION

PRICE

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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 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.

THE JACKSON LABORATORY'S GENOTYPE PROMISE

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

Phone: 207-288-6470

Email: TechTran@jax.org

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All

By Allele

By Gene

By Collection



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