

D2.Cg-Gpmb⁺Tg(Thy1-CFP)23Jrs/SjJ

Stock No: 024704

 Congenic, Transgenic, Wild-Type Allele

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

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gestational stage into adulthood. Availability of multiple spectral variants is useful for double-labeling applications, or breeding to other YFP/GFP lines.

Donating Investigator

Dr. Simon John, The Jackson Laboratory

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GENETIC OVERVIEW

Genetic Background

Generation

Gpmb⁺

Alele Type

Not Applicable

Gene Symbol

Gpmb

Gene Name

glycoprotein (transmembrane) nmb

Tg(Thy1-CFP)23Jrs

Alele Type

Transgenic (Reporter)

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

These mice express a spectral variant of GFP (cyan-CFP) at high levels in motor and sensory neurons, as well as subsets of central neurons. Axons are brightly fluorescent all the way to the terminals. No expression is detectable in nonneural cells. This line provides a strong and specific vital marker for axons; fluorescence is also stable to mild aldehyde fixation. Expression is strong from a mid-gestational stage into adulthood. Availability of multiple spectral variants is useful for double-labeling applications, or breeding to other YFP/GFP lines.

This strain is on a genetic background different from that on which the allele was first characterized. It should be noted that the phenotype could vary from that originally described. We will modify the strain description if necessary as published results become available.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Gpnmb⁺

Tg(Thy1-CFP)23Jrs

– 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: [Tg\(Thy1-CFP\)23Jrs](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

Hemizygotes are viable and fertile.

[Additional Breeding and Husbandry Support](#)

Citation

When using the D2.Cg-*Gpmb*⁺ Tg(Thy1-CFP)23Jrs/SjJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #024704 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



Typically mice are recovered in 10-14 weeks. Contact Customer Service to

DomesticInternational

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

| SERVICE/PRODUCT | DESCRIPTION | PRICE |
|-------------------------------|---|------------|
| Cryo Recovery | Hemizyous or Non Carrir for Gpnm<+> Tg(Thy1-CFP)23Jrs | \$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 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

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

Related Strains

All

By Allele

By Gene

By Collection



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