

STOCK *Gt(ROSA)26Sor^{tm1(birA)Mejr}* *Gata4^{tm3.1Wtp}* /JStock No: **018121** 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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Donating Investigator

William T Pu, Children's Hospital Boston, Harvard MS

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GENETIC OVERVIEW

Genetic Background**Generation***Gt(ROSA)26Sor^{tm1.1(birA)Mejr}***Alele Type**

Targeted (Not Applicable)

Gene Symbol*Gt(ROSA)26Sor***Gene Name**

gene trap ROSA 26, Philippe Soriano

*Gata4^{tm3.1Wtp}***Alele Type**

Targeted

Gene Symbol*Gata4***Gene Name**

GATA binding protein 4

[VIEW GENETICS](#)

RESEARCH APPLICATIONS

Research Tools

[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 biallelic *Gata4*^{flbio} mutant mice possess a FLAG/bio epitope tag downstream of the 3' UTR of the GATA binding protein 4 (*Gata4*) gene. GATA4 is a zinc-finger-containing transcription factor expressed in cardiomyocytes and has a role in regulating the expression of genes involved in cardiac differentiation. These mice also contain the *Gt(ROSA)26Sor*^{tm1.1(birA)Mejr} allele, which expresses HA (hemagglutinin) tagged bacterial birA, bifunctional protein (biotin ligase) (see Stock No. [010920](#)). In these double mutant mice, GATA4 is biotinylated, allowing for specific immunoprecipitation of GATA4 and bound proteins. Homozygous mice are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities.

+ Development

+ Expression Data

+ Control Suggestions

+ Selected References

– Genetics

+ *Gt(ROSA)26Sor*^{tm1.1(birA)Mejr}

+ *Gata4*^{tm3.1Wtp}

⊖ 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

Separated PCR:[Puromycin](#)

Standard PCR:[Gata4alternate1](#)

Separated PCR:[Gt\(ROSA\)26Sortm1\(birA\)Mejr](#)

Separated MCA:[Gata4alternate1](#)

Separated PCR:[Gata4alternate1](#)

Separated MCA:[Gt\(ROSA\)26Sortm1\(birA\)Mejr MCA](#)

Standard PCR:[Puromycin](#)

Standard PCR:[Gt\(ROSA\)26Sortm1\(birA\)Mejr](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, double homozygous mice may be bred together.

[Additional Breeding and Husbandry Support](#)

Citation

When using the STOCK $Gt(ROSA)26Sor^{tm1(birA)Mejr} Gata4^{tm3.1Wtp}$ /J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #018121 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 for Gata4<tm3.1Wtp>, Heterozygous for Gt(ROSA)26Sor<tm1(birA)Mejr>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	STOCK Gt(ROSA)26Sor<tm1(birA)Mejr> Gata4<tm3.1Wtp>/J Frozen	\$2595.00
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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.

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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LICENSING INFORMATION

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

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