

B6.129S4-Gt(ROSA)26Sor^{tm3(phiC31*)Sor} /J

Stock No: 007743

 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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sequence deleted and replaced with a single *AttL* site in widespread cells/tissues.

Donating Investigator

IMR Colony, The Jackson Laboratory

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GENETIC OVERVIEW

Genetic Background

Generation

Gt(ROSA)26Sor^{tm3(phiC31)Sor}*

Alele Type

Targeted (Recombinase-expressing)

Gene Symbol

Gt(ROSA)26Sor

Gene Name

gene trap ROSA 26, Philippe Soriano

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 R26ΦC31o (R26phiC31o) mutant mice express a site-specific recombinase, ΦC31o (PhiC31o), that has been targeted to the endogenous *Gt(ROSA)26Sor* locus. The ΦC31o is codon-optimized for expression in mouse tissues. ΦC31o mediates irreversible DNA recombination at specific nonidentical pairs of sequence sites, *AttB* and *AttP*; this results in deletion of the entire *AttB/AttP*-flanked sequences and replacement with a single *AttL* site. Recombination efficiency is similar to that of Cre recombinase. When R26ΦC31o mice are bred with mice containing *AttB/AttP*-flanked sequences, the resulting offspring will have the targeted sequence deleted in widespread cells/tissues.

In an attempt to offer alleles on well-characterized or multiple genetic backgrounds, alleles are frequently moved to a genetic background different from that on which an 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

+ *Gt(ROSA)26Sor^{tm3(phiC31*)Sor}*

- 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:[PhiC31 Alternate3](#)

Probe:[Gt\(rosa\)26sor Probe](#)

Separated MCA:[Gt\(ROSA\)26Sor STD](#)

Standard PCR:[Gt\(ROSA\)26Sor STD](#)

[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 B6.129S4-*Gt(ROSA)26Sor^{tm3(phiC31*)Sor}*/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007743 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 of wildtype for Gt(ROSA)26Sor<tm3(phiC31*)Sor>	\$2,854.50

Related Products and Services

Frozen Mouse Embryo	B6.129S4-Gt(ROSA)26Sor<tm3(phiC31*)Sor>/J Frozen Embryo	\$2595.00
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