



# 129S4 / SvJ ~~6a~~ ROSA26::FLPe <sup>2n16</sup> D<sup>2n16</sup> /rJ

Stock No: 003946 | ROSA26::FLPe knock in

Targeted Mutation



AVAILABLE

PLACE ORDER

Live mice available in varying quantities. Ask Customer Service for details.

## Overview

### Also Known As: ROSA26::FLPe knock in

FLPeR mice harbor the FLPe knock-in allele with widespread expression of the FLPe variant of the *Saccharomyces cerevisiae* *FLP1* recombinase gene driven by the *Gt(ROSA)26Sor* promoter. When bred with mice containing a *frt*-flanked sequence of interest, FLP-mediated recombination will result in deletion of the *frt*-flanked sequence(s) in the offspring. This FLP deleter strain may be useful for generating *frt*-FLP conditional mutations and serves as a source of FLP1-expressing primary cell lines.

### Donating Investigator

Susan M Dymecki, Harvard Medical School

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## GENETIC OVERVIEW

Genetic Background

Generation

?+F43

(2020-01-20 00:00:00)

*Gt(ROSA)26Sor<sup>tm1(FLP1)</sup>Dym*

Allele Type

Gene Symbol

Gene Name

Targeted (Recombinase-expressing)

*Gt(ROSA)26Sor*

gene trap ROSA 26, Philippe Soriano

VIEW GENETICS

## RESEARCH APPLICATIONS

Research Tools

VIEW ALL RESEARCH APPLICATIONS

## BASE PRICE

Starting at:

\$278.00 Domestic price for female 4-week

VIEW PRICE LIST

## Details

### Detailed Description

Homozygous FLPeR mice are viable and fertile, with widespread expression of the FLPe variant of the *Saccharomyces cerevisiae* *FLP1* recombinase gene driven by the *Gt(ROSA)26Sor* promoter. The FLPe recombinase variant exhibits enhanced thermostability with recombination activity being four-fold and ten-fold that of wild type FLP at 37C and 40C, respectively. The *Gt(ROSA)26Sor* promoter drives expression from preimplantation onward and extensive target gene recombination can be achieved in most tissue types, including cells of the developing germ line. The knock-in construct also includes a neomycin resistance gene driven by the mouse phosphoglycerate kinase promoter (PGK neo) and polyadenylation signal sequence. When bred with mice containing a *frt*-flanked sequence of interest, FLP-mediated recombination will result in deletion of the *frt*-flanked sequence(s) in the offspring. This FLP deleter strain may be useful for generating *frt*-FLP conditional mutations and serves as a source of FLP1-expressing primary cell lines.

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### + Development

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### + Expression Data

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### + Control Suggestions

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### + Selected References

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### - Genetics

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#### + *Gt(ROSA)26Sor<sup>tm1(FLP1)</sup>Dym*

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### - Disease/Phenotype

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#### + Disease Terms

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#### + Research Areas By Genotype

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#### + Mammalian Phenotype Terms by Genotype

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#### + References

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### - Technical Support

C H A T   O  F L I N E

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: *Gt(ROSA)26Sor<sup>tm1(FLP1)</sup>Dym*

Separated PCR: *Gt(ROSA)26Sor<sup>tm1(FLP1)</sup>Dym*

Separated PCR: *Gt(ROSA)26Sor<sup>tm1(FLP1)</sup>Dym*

[Genotyping resources and troubleshooting](#)

### Dietary Information

New Diet as of March 2015: Lab Diet® 5K0Q (6% fat)

## Breeding Considerations

When maintaining the live colony, homozygous mice may be bred together. The coat color expected from breeding is Agouti.

[Additional Breeding and Husbandry Support](#)

## Mating System

Homozygote x Homozygote

## Citation

When using the ROSA26::FLPe knock in mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003946 in your Materials and Methods section.

[Facility Barrier Level Descriptions](#)

 [AX10 \(Standard\)](#)

## ➔ Pricing & Availability



Live mice available in varying quantities. Ask Customer Service for details.

Available

## Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

Live Mouse			
AGE	SEX	GENOTYPE	PRICE
4 weeks	Female	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
	Male	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
5 weeks	Female	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
	Male	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
6 weeks	Female	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
	Male	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
7 weeks	Female	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
	Male	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
8 weeks	Female	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
	Male	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
9 weeks	Female	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
	Male	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
10 weeks	Female	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
	Male	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
11 weeks	Female	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
	Male	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
12 weeks	Female	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00
	Male	Homozygous for Gt(ROSA)26Sor <sup>tm1(FLP1)Dym</sup>	\$278.00

## Related Products and Services

Frozen Mouse Embryo	129S4/SvJaeSor-Gt(ROSA)26Sor<tm1(FLP1)Dym>/J Frozen Embryos	\$2595.00
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