

**STOCK *Gt(ROSA)26Sor<sup>tm1(rtTA,EGFP)Nagy</sup> /J***

Stock No: **005572** | ROSA26-rtTA

 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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offspring.

### Donating Investigator

Andras Nagy, Lunenfeld-Tanenbaum Research Institute (LTRI), Mount Sinai Hospital

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## GENETIC OVERVIEW

Genetic Background Generation

*Gt(ROSA)26Sor<sup>tm1(rtTA,EGFP)Nagy</sup>*

Alele Type	Gene Symbol	Gene Name
Targeted (Conditional ready (e.g. floxed), Reporter, Inducible, Transactivator)	<i>Gt(ROSA)26Sor</i>	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

Homozygous mutant mice are viable, fertile, normal in size and do not display any behavioral abnormalities. When these gene targeted mice are bred to transgenic strains expressing Cre recombinase, functional rtTA and EGFP activity is observed in the double mutant offspring in the tissues that express *cre*. These double mutant mice may be bred to transgenic strains carrying genes of interest under the regulation of tetracycline responsive elements (TRE; tetO) to generate triple mutant mice in which the tissue specificity of the Cre-transgenic line and the doxycycline inducibility of the rtTA/TRE-controlled transgenes can be combined to regulate expression of the target gene.

*Of note, mutant mice are also available on a C57BL/6J genetic background (see Stock No. [005670](#)).*

#### Development

#### Expression Data

#### Control Suggestions

#### Selected References

### Genetics

#### $Gt(ROSA)26Sor^{tm1(rtTA,EGFP)}Nagy$

### Disease/Phenotype

#### Disease Terms

[+ Research Areas By Phenotype](#)

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[+ Mammalian Phenotype Terms by Genotype](#)

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[+ References](#)

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## [- 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: [Generic Rosa26Sor\(GFP\)](#)  
[Genotyping resources and troubleshooting](#)

#### Breeding Considerations

When maintaining a live colony, these mice are maintained as homozygotes.

[Additional Breeding and Husbandry Support](#)

#### Citation

When using the ROSA26-rtTA mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #005572 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**

## RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

STOCK Gt(ROSA)26Sor&lt;tm1(rtTA EGFP)Nagy&gt;/J Frozen Embryo

\$2595.00

## 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.

[Terms Of Use](#)

## TERMS OF USE

[General Terms and Conditions](#)

QUESTIONS ABOUT TERMS OF USE

## 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](mailto:TechTran@jax.org)[Related Strains](#)

All

By Allele

By Gene

By Collection



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