The Jackson Laboratory

STOCK *Gt(ROSA)26Sor*$^{tm10(ACTB-tdTomato)Luo}$/J

Stock No: **017922** | R26^{TT}

Transgenic

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

PLACE ORDER

Email Download PDF Help

Gt(ROSA)26Sor locus on chromosome 6. These R26^{TT} mice exhibit widespread expression of tdTomato-3Myc (tdT3Myc) and represent the tdTomato-expressing control strain for "new MADM-6" (new mosaic analysis with double markers on chromosome 6) experiments.

Donating Investigator

Liqun Luo, Stanford University

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GENETIC OVERVIEW

Genetic Background	Generation

Gt(ROSA)26Sor$^{tm10(ACTB-tdTomato)Luo}$

Allele Type	Gene Symbol	Gene Name
Targeted (Reporter)	*Gt(ROSA)26Sor*	gene trap ROSA 26, Philippe Soriano

VIEW GENETICS

RESEARCH APPLICATIONS

Cell Biology Research
Neurobiology Research
Research Tools

VIEW ALL RESEARCH APPLICATIO

BASE PRICE

Starting at:

$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

Mice homozygous for the R26^{TT} allele are viable and fertile with no gross behavioral or observable abnormalities. The R26^{TT} allele has a CMV enhancer/chicken beta-actin core promoter-driven "MADM TT" cassette inserted into the *Gt(ROSA)26Sor* locus on chromosome 6. The "MADM TT" cassette has a complete tdTomato sequence (tagged with three copies of the Myc epitope at its C-terminus). As such, heterozygous and homozygous mice exhibit widespread expression of tdTomato-3Myc (direct fluorescent visualization) throughout the whole animal and all tissues.

These R26^{TT} mice are the tdTomato-expressing control for the "new MADM-6" (new mosaic analysis with double markers on chromosome 6) strains, including R26^{GT} (Stock No. 017912) and R26^{TG} (Stock No. 017921). These R26^{TT} mice do not need to be bred with any mice harboring a reciprocal mutation at the same locus to obtain tdTomato expression. A detailed description and figure showing how R26^{TT} mice were generated is available here.

Development

Expression Data

Genetics

Gt(ROSA)26Sor$^{tm10(ACTB-tdTomato)Luo}$

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols
Separated PCR:Gt(ROSA)26Sor
Separated MCA:Gt(ROSA)26SorMCA
Genotyping resources and troubleshooting

Breeding Considerations

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

Additional Breeding and Husbandry Support

Citation
When using the R26^{TT} mouse strain in a publication, please cite the originating article(s) and include JAX stock #017922 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 or wildtype for Gt(ROSA)26Sor<tm10(ACTB-tdTomato)Luo>	$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	STOCK Gt(ROSA)26Sor<tm10(ACTB-tdTomato)Luo>/J	$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

Related Strains

All

By Allele

By Gene

By Collection

Choose other country or region

Did you find what you were looking for?

Yes No