B6;SJL-Tg(tetop-lacZ)2Mam/J

Stock No: 002621 | tetO- gal

Transgenic

CRYO RECOVERY

REQUEST CRYORECOVERY

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

Overview

Also Known As: tetO- gal

These tetO- gal mice express a transgene containing beta-galactosidase (lacZ) reporter gene under the control of a tetracycline-responsive promoter element (TRE; tetO).
Donating Investigator
Dr. Lothar Hennighausen, National Institutes of Health

GENETIC OVERVIEW
Genetic Background | Generation

Tg(tetop-lacZ)2Mam
Allele Type
Transgenic (Reporter, Inducible)

RESEARCH APPLICATIONS
Research Tools

BASE PRICE
Starting at:
$2,595.00 Domestic price Cryo Recovery

Details

Detailed Description
B6;SJL-Tg(tetoplacZ)2Mam transgenic mice serve as reporter/tester mice for transgenic mice expressing the tetracycline-controlled transactivator proteins tTA or rtTA. This strain carries a beta-galactosidase (lacZ) reporter gene under the control of a tetracycline-responsive promoter element (TRE: tetO), consisting of the human cytomegalovirus early promoter fused to tet operator sequences. When these mice are mated with transgenic mice expressing tTA or rtTA, lacZ transcription may be induced by the administration (or withdrawal, if tTA is used) of tetracycline, or its analog, doxycycline. Beta-galactosidase activity is not observed in the absence of tTA or rtTA transgene.

Development

Expression Data
Genotyping Protocols
Standard PCR: Generic LacZ
MELT: Generic LacZ Melt Curve Analysis
Genotyping resources and troubleshooting

Breeding Considerations
While maintaining a live colony, these mice are bred as hemizygotes.
Additional Breeding and Husbandry Support

Citation
When using this ICR real resource strain in a publication, please cite the originating article(s) and include JAX stock #002621 in your Materials and Methods section.
Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

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

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Hemizygous or Non carrier for Tg(tetop-lacZ)2Mam</td>
<td>$2,595.00</td>
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We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a Dedicated Supply for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

### Related Products and Services

<table>
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<tr>
<th>Product</th>
<th>Price</th>
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<tr>
<td>Frozen Mouse Embryo</td>
<td>$2,595.00 per straw or vial</td>
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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.

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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.

### Terms Of Use

**Terms of Use**

**General Terms and Conditions**

**QUESTIONS ABOUT TERMS OF USE**

**Licensing Information**

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

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### Related Strains

- All
- By Allele
- By Gene
- By Collection
All Related Strains

**B6.129S4-Gt(ROSA)26Sortm1Sor/J**
- Stock No: 003474 | R26R
- Related By: lacZ, lacZ Expression Strains

**FVB.Cg-Grm7Tg(SMN2)89Ahmb Smn1tm1Msd ...**
- Stock No: 005025 | FVB.SMN 7;SMN2;Smn-, Moderate Type II SMA, Delta 7 mouse incipient congenic
- Related By: lacZ, lacZ Expression Strains

**129S-Vimtm1Cba/MesDmarkJ**
- Stock No: 025692
- Related By: lacZ