B6.129-Gt(ROSA)26Soer<sup>tm1(creERT2)Tyj</sup>/J

Stock No: 008463

Green Congenic Targeted Mutation

AVAILABLE NOW

PLACE ORDER

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

This strain enables temporal control of floxed gene expression by tamoxifen induction in vivo.

Donating Investigator

Dr. Tyler Jacks, Massachusetts Institute of Technology

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gt(ROSA)26Sor^{im1(cre/ERT2)}Tyj</td>
<td>N9*N1F12</td>
</tr>
<tr>
<td></td>
<td>(2019-05-06 00:00:00)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted (Recombinase-expressing, Inducible)</td>
<td>Gt(ROSA)26Sor</td>
<td>gene trap ROSA 26, Philippe Soriano</td>
</tr>
</tbody>
</table>

RESEARCH APPLICATIONS

Research Tools

BASE PRICE

Starting at:

$255.00 Domestic price for female 4-week

Details

Detailed Description

A conditional Cre-ER^{T2} (Cre recombinase - estrogen receptor T2) cassette was introduced to the gene. The ER^{T2} moiety retains the Cre recombinase in the cytoplasm until tamoxifen administration releases this inhibition, thus permitting the recombination of genomic loxP sites. Efficient tamoxifen-induced Cre-mediated recombination throughout the body has been demonstrated through crosses with a Cre-responsive beta galactosidase reporter strain. This strain enables temporal control of floxed gene expression in vivo and is
Genotyping Protocols
SEPARATED MELT: Gt(Rosa)26So(cre)tm1(cre)-Alternate 4
Genotyping resources and troubleshooting

Dietary Information
LabDiet® 5K52 formulation (6% fat)

Breeding Considerations
When maintained as a live colony, homozygotes or heterozygotes may be bred.
Additional Breeding and Husbandry Support

Mating System
Homozygote x Homozygote
Citation
When using the B6.129-G(ROSA)26Sor<sup>tm1(cre/ERT2)Tly</sup> mouse strain in a publication, please cite the originating article(s) and include JAX stock #008463 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 Now

<table>
<thead>
<tr>
<th>Domestic</th>
<th>International</th>
</tr>
</thead>
</table>

Pricing effective for USA, Canada and Mexico shipping destinations

### Live Mouse

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 weeks</td>
<td>Female</td>
<td>Homozygous for G(ROSA)26Sor&lt;sup&gt;tm1(cre/ERT2)Tly&lt;/sup&gt;</td>
<td>$255.00</td>
</tr>
<tr>
<td>4 weeks</td>
<td>Male</td>
<td>Homozygous for G(ROSA)26Sor&lt;sup&gt;tm1(cre/ERT2)Tly&lt;/sup&gt;</td>
<td>$255.00</td>
</tr>
<tr>
<td>5 weeks</td>
<td>Female</td>
<td>Homozygous for G(ROSA)26Sor&lt;sup&gt;tm1(cre/ERT2)Tly&lt;/sup&gt;</td>
<td>$255.00</td>
</tr>
<tr>
<td>5 weeks</td>
<td>Male</td>
<td>Homozygous for G(ROSA)26Sor&lt;sup&gt;tm1(cre/ERT2)Tly&lt;/sup&gt;</td>
<td>$255.00</td>
</tr>
<tr>
<td>6 weeks</td>
<td>Female</td>
<td>Homozygous for G(ROSA)26Sor&lt;sup&gt;tm1(cre/ERT2)Tly&lt;/sup&gt;</td>
<td>$255.00</td>
</tr>
<tr>
<td>6 weeks</td>
<td>Male</td>
<td>Homozygous for G(ROSA)26Sor&lt;sup&gt;tm1(cre/ERT2)Tly&lt;/sup&gt;</td>
<td>$255.00</td>
</tr>
<tr>
<td>7 weeks</td>
<td>Female</td>
<td>Homozygous for G(ROSA)26Sor&lt;sup&gt;tm1(cre/ERT2)Tly&lt;/sup&gt;</td>
<td>$255.00</td>
</tr>
<tr>
<td>7 weeks</td>
<td>Male</td>
<td>Homozygous for G(ROSA)26Sor&lt;sup&gt;tm1(cre/ERT2)Tly&lt;/sup&gt;</td>
<td>$255.00</td>
</tr>
<tr>
<td>8 weeks</td>
<td>Female</td>
<td>Homozygous for G(ROSA)26Sor&lt;sup&gt;tm1(cre/ERT2)Tly&lt;/sup&gt;</td>
<td>$255.00</td>
</tr>
<tr>
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<td>$255.00</td>
</tr>
</tbody>
</table>

### Related Products and Services

- Frozen Mouse Embryo | $2,595.00 per straw or vial

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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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💡 Related Strains

All

By Allele

By Gene

By Collection

All Related Strains