B6.129-Gt(Rosa)26Sor tm1(creERT2)Tgj/J

Stock No: 008463

- 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>N9*N1F10</td>
<td>(2018-08-08 00:00:00)</td>
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**Gt(ROSA)26Sor<sup>tm1(cre/ERT2)Tyj</sup>**

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

RESEARCH APPLICATIONS

Research Tools

BASE PRICE

Starting at:

$255.00 Domestic price for female 4-week

Details

Detailed Description

A conditional Cre-ER<sup>T2</sup> (Cre recombinase - estrogen receptor T2) cassette was introduced to the gene. The ER<sup>T2</sup> 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
Development

Expression Data

Control Suggestions

Selected References

Genetics

Gt(Rosa)26Sor^{tm1(creERT2)Tyj}

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols
SEPARATED MELT: Gt(Rosa)26Sor^{tm1(creERT2)Tyj}_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-Gt(Rosa)26Sor^{tm1(creERT2)Tyj} mice 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.

Domestic | International
Pricing effective for USA, Canada and Mexico shipping destinations

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>4 weeks</td>
<td>Female</td>
<td>Homozygous for Gl(Rosa)26Sor^{tm1cre/ERT2Ty}</td>
<td>$255.00</td>
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<tr>
<td></td>
<td>Male</td>
<td>Homozygous for Gl(Rosa)26Sor^{tm1cre/ERT2Ty}</td>
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<tr>
<td>5 weeks</td>
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<td>Homozygous for Gl(Rosa)26Sor^{tm1cre/ERT2Ty}</td>
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<tr>
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<td>Male</td>
<td>Homozygous for Gl(Rosa)26Sor^{tm1cre/ERT2Ty}</td>
<td>$255.00</td>
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<tr>
<td>6 weeks</td>
<td>Female</td>
<td>Homozygous for Gl(Rosa)26Sor^{tm1cre/ERT2Ty}</td>
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<tr>
<td></td>
<td>Male</td>
<td>Homozygous for Gl(Rosa)26Sor^{tm1cre/ERT2Ty}</td>
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<tr>
<td>7 weeks</td>
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<td>Homozygous for Gl(Rosa)26Sor^{tm1cre/ERT2Ty}</td>
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<td>Male</td>
<td>Homozygous for Gl(Rosa)26Sor^{tm1cre/ERT2Ty}</td>
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<tr>
<td>8 weeks</td>
<td>Female</td>
<td>Homozygous for Gl(Rosa)26Sor^{tm1cre/ERT2Ty}</td>
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<tr>
<td></td>
<td>Male</td>
<td>Homozygous for Gl(Rosa)26Sor^{tm1cre/ERT2Ty}</td>
<td>$255.00</td>
</tr>
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</table>

Related Products and Services

Frozen Mouse Embryo $2,595.00 per straw or vial

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