B6;129-Gt(ROSA)26SoR^{im1(Ptbp1)Szkg}J

Stock No:  029838 | Rosa26^{LSL-FL-Ptbp1}

Targeted Mutation

PLACE ORDER

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

Also Known As: Rosa26<sup>LSL-FL-Ptbp1</sup>
Rosa26<sup>LSL-FL-Ptbp1</sup> mice contain a floxed STOP cassette followed by a FLAG-tagged polypyrimidine tract binding protein 1 (Ptbp1) cDNA and an IRES/mCherry cassette. This strain may be useful when studying neuronal pre-mRNA splicing.

Donating Investigator
Sika Zheng, University of California, Riverside

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gt(ROSA)26Sor&lt;sup&gt;tm1(Ptbp1)Szgh&lt;/sup&gt;</td>
<td></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 (Conditional ready, Reporter, Inserted expressed sequence)</td>
<td>Gt(ROSA)26Sor</td>
<td>gene trap ROSA 26, Philippe Soriano</td>
</tr>
</tbody>
</table>

RESEARCH APPLICATIONS

Research Tools
Neurobiology Research

BASE PRICE

Starting at:

$2,595.00 Domestic price Cryo Recovery

VIEW PRICE LIST
Detailed Description

Rosa26<sup>LSL-FL-Ptbp1</sup> mice contain a floxed STOP cassette followed by a FLAG-tagged mouse polypyrimidine tract binding protein 1 (Ptbp1) cDNA and an IRES and mCherry cassette. PTBP1 is a pre-mRNA binding protein that regulates alternative splicing events and is widely expressed outside the brain. In the brain, PTBP1 is only expressed in progenitor cells at the ventricular and subventricular zone of the developing cortex, but not in the outer layers of mature neurons. Because this construct was inserted into the Gt(ROSA)26SOR locus, expression is determined by which tissue(s) express Cre recombinase. When bred to mice that express Cre recombinase, the resulting offspring will have the loxP-flanked STOP cassette deleted in the cre-expressing tissue(s). After cre excision, PTBP1 and mCherry are expressed. When bred to mice that express Flp recombinase, the expression of the mutation is silenced.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Gt(ROSA)26SOR<sup>tm1(Ptbp1)Szhg</sup>

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols

High Resolution Melting: Gt(ROSA)26SOR<sup>tm1(Ptbp1)Szhg</sup> alternate2
Genotyping resources and troubleshooting

Breeding Considerations

When maintaining a live colony, homozygous mice may be bred together.
Additional Breeding and Husbandry Support
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.

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or wildtype for Gt(ROSA)26Sor&lt;tm1(Ptbp1)5zhg&gt;</td>
<td>$2,595.00</td>
</tr>
</tbody>
</table>

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.

Cryo recovery 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.

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Email: TechTran@jax.org

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