These reporter mice express lacZ in the presence of cre. A loxP-flanked DNA STOP sequence prevents expression of the downstream lacZ gene in the absence of cre.

Donating Investigator
Terry Van Dyke, NIH

**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tbody>
</table>

**Gt(ROSA)26Sor^tm1Sor**

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted (Conditional ready (e.g. floxed), Reporter)</td>
<td>Gt(ROSA)26Sor</td>
<td>gene trap ROSA 26, Philippe Soriano</td>
</tr>
</tbody>
</table>

**BASE PRICE**
Starting at:
**Details**

**Detailed Description**

These cre reporter mice harbor a loxP-flanked DNA STOP sequence that prevents expression of a downstream lacZ gene. When crossed with a cre-expressing strain, the STOP sequence is removed and lacZ is expressed in cells/tissues where cre activity is present. These mutant mice may be used to test the tissue/cellular pattern of cre recombinase activity. Homozygous mice are viable and fertile.

*In an attempt to offer alleles on well-characterized or multiple genetic backgrounds, alleles are frequently moved to a genetic background different from that on which an allele was first characterized. This is the case for the strain above. It should be noted that the phenotype could vary from that originally described. We will modify the strain description if necessary as published results become available.*

**Development**

**Expression Data**

**Control Suggestions**

**Selected References**

**Genetics**

**Gt(ROSA)26Sor^tm1Sor**

**Disease/Phenotype**

**Disease Terms**

**Research Areas By Phenotype**
Genotyping Protocols
Probe: Gt(rosa)26sor Probe
Separated MCA: Gt(ROSA)26Sor STD
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, these mice can be bred as homozygotes.

Additional Breeding and Husbandry Support

Citation
When using the R26R mouse strain in a publication, please cite the originating article(s) and include JAX stock #019101 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
Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

<table>
<thead>
<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous for Gt(ROSA)26Sor&lt;tm1Sor&gt;</td>
<td>$2,854.50</td>
</tr>
</tbody>
</table>
RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo  
B6N.129S4(B6)-Gt(ROSA)26Sor<tm1Sor>/CjDswJ Frozen Embryo  
$2595.00

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains