B6.129S7-Sod1^tm1Lab/DnJ

Stock No: 003881 | Sod1 KO

Congenic, Targeted Mutation

Overview

Also Known As: Sod1 KO

Homozygous Sod1^tm1Lab knock-out mice are characterized by abnormal retinal and cochlear ganglions, and they have age-related defects in hearing, vasculature, and muscle. These mice may be useful in studying retinal dysfunction, autoimmunity, female reproductive development/function, glaucoma, hearing loss, Alzheimer’s Disease, familial amyotrophic lateral sclerosis (ALS), and other age-related disorders.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sod1^tm1Lab</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 (Null/Knockout)</td>
<td>Sod1</td>
<td>superoxide dismutase 1, soluble</td>
</tr>
</tbody>
</table>

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