Overview

Also Known As: Scn9a lacZ knock-in/knock-out

This strain carries a lacZ knock-in allele of the Scn9a, sodium channel, voltage-gated, type IX, alpha, gene. It may be useful in studies of synaptic transmission and nociception.
GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scn9a&lt;sup&gt;tm1Dgen&lt;/sup&gt;</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted (Reporter, Null/Knockout)</td>
<td>Scn9a</td>
<td>sodium channel, voltage-gated, type IX, alpha</td>
</tr>
</tbody>
</table>

RESEARCH APPLICATIONS

Research Tools
Neurobiology Research
Sensorineural Research

BASE PRICE
Starting at:
$2,854.50 Domestic price Cryo Recovery

This targeted mutant was created and characterized by Deltagen, Inc. View phenotypic data developed by Deltagen. Heterozygotes exhibit increased prepulse inhibition compared to wildtype controls. While this strain has not been specifically tested, mice heterozygous for another knock-out allele of this same gene exhibit insensitivity to pain.

Details

Detailed Description

This targeted mutant was created and characterized by Deltagen, Inc. View phenotypic data developed by Deltagen. Heterozygotes exhibit increased prepulse inhibition compared to wildtype controls. While this strain has not been specifically tested, mice heterozygous for another knock-out allele of this same gene exhibit insensitivity to pain.

Development

Expression Data

Control Suggestions

Genetics
**Scn9a<sup>tm1Dgen</sup>**

**Disease/ Phenotype**

**Disease Terms**

**Research Areas By Phenotype**

**Mammalian Phenotype Terms by Genotype**

**References**

**Technical Support**

**Genotyping Protocols**

Standard PCR: Scn9a

Genotyping resources and troubleshooting

**Citation**

When using the Scn9a lacZ knock-in/knock-out mouse strain in a publication, please cite the originating article(s) and include JAX stock #005836 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>
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<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or Wild-type for Scn9a&lt;tm1Dgen&gt;</td>
<td>$2,854.50</td>
</tr>
</tbody>
</table>

**Related Products and Services**

Frozen Mouse Embryo

B6.129P2-Scn9a<tm1Dgen>/J Frozen Embryos

$2595.00
Payment Terms and Conditions
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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Phone: 207-288-6470
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Related Strains

- All
- By Allele
- By Gene
- By Collection

All Related Strains