B6;129-Hcn1<sup>tn26td1/J</sup>

Additional Use Restrictions Apply

Stock No: 005034

Targeted Mutation

Overview

Mice that are homozygous for the targeted mutation exhibit impaired learning capacity in visible platform swimming water maze task and rotorod test, and abnormal eye blink conditioning response. Purkinje cell electrophysiology is abnormal. This mutant mouse strain may be useful in studies of learning, memory and neurophysiology.

Genetic overview

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

Hcn1<sup>tn26td1</sup>

<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>Hcn1</td>
<td>hyperpolarization-activated, cyclic nucleotide-gated K+ 1</td>
</tr>
</tbody>
</table>

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See mouse strain information online for current details

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