B6;129S4-Hexb<sup>tm1Rlp</sup> / J

**Additional Use Restrictions Apply**

Stock No: 002914 | Hexb null

- Targeted Mutation

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**Overview**

**Also Known As: Hexb null**

Mice homozygous for the Hexb<sup>tm1Rlp</sup> targeted mutation develop motor defects beginning at about 3 months of age. The defects progressively worsen and homozygous mice die by 4.5 months of age. Mice display gangliosidosidosis; mice abnormally accumulate GM2 and GA2 ganglioside and serve as a model of Sandhoff disease.

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**Genetic overview**

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

**Hexb<sup>tm1Rlp</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>Hexb</td>
<td>hexosaminidase B</td>
</tr>
</tbody>
</table>

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