B6129S1-Nkx2-5<sup>tm1(cre)Mj</sup>/J

Additional Use Restrictions Apply

Stock No: 030047 | Nkx2.5-Cre knock-in/knock-out

Targeted Mutation

Overview

Also Known As: Nkx2.5-Cre knock-in/knock-out

The Nkx2.5-Cre knock-in/knock-out allele was designed to both abolish endogenous gene function and allow the Nkx2-5 promoter/enhancer regions to direct Cre recombinase expression to embryonic heart, as well as developing tongue, thymus and spleen. These mice may be useful for recombining lox-flanked (floxed) alleles in studying cardiac development.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>?&lt;sup&gt;+&lt;/sup&gt;pN1 (19-SEP-17&lt;sup&gt;+&lt;/sup&gt;)</td>
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<tr>
<th>Nkx2-5&lt;sup&gt;tm1(cre)Mj&lt;/sup&gt;</th>
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<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Targeted (Recombinase-expressing)</td>
<td>Nkx2-5</td>
<td>NK2 homeobox 5</td>
</tr>
</tbody>
</table>

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