B6J.129S1- Htt<sup>tm1Mc</sup>/190ChdiJ

Additional Use Restrictions Apply

Stock No: 027410 | B6J.zQ175 KI ; Q175 Knock-in (wt x het) ; CHDI-81003003

*Congenic, Targeted Mutation*

Repository Live

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Overview

Also Known As: B6J.zQ175 KI ; Q175 Knock-in (wt x het) ; CHDI-81003003

The zQ175 knock-in (zQ175 KI) allele has the mouse Htt exon 1 replaced by the human HTT exon 1 sequence with a ~190 CAG repeat tract (see note below). These B6J.zQ175 KI mice (Stock No. 027410) are useful for studying Huntington's disease pathogenesis and for the assessment of potential therapeutic interventions.

As of November 2017, the Stock No. 027410 live colony has 180-220 CAG repeats.

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Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td></td>
<td>?+N6</td>
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<tr>
<td></td>
<td>(03-AUG-17&lt;)</td>
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<table>
<thead>
<tr>
<th>Htt&lt;sup&gt;tm1Mc&lt;/sup&gt;</th>
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<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Targeted (Humanized sequence)</td>
<td>Htt</td>
<td>huntingtin</td>
</tr>
</tbody>
</table>

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See mouse strain information online for current details

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