Also Known As: recoil wobbler

The mice carrying this spontaneous mutation exhibit ataxia.
**GENETIC OVERVIEW**

**Genetic Background**

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Spontaneous</td>
<td>Grm1</td>
<td>glutamate receptor, metabotropic 1</td>
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</tbody>
</table>

**RESEARCH APPLICATIONS**

Neurobiology Research

**BASE PRICE**

Starting at: $2,854.50 Domestic price Cryo Recovery

**Important Note**

This strain is homozygous for the retinal degeneration mutation $Pde6b^{rd1}$; it may also carry the age related hearing loss mutation, $Cdh23^{ahl}$, which is linked to $rcw$ within ~20 - 30 cM on Chromosome 10.

**Detailed Description**

Visibly, $Grm1^{rcw}/Grm1^{rcw}$ mice are identifiable by 2.5 - 3 weeks of age. Their constant wobbly gait frequently throws them off balance, but only briefly, as they show immediate and normal righting response. When walking, they often brace for balance with their fore- and hindfeet extended forward or sideways. Their heads lurch mildly and the mutants often sit on their haunches when motion falters. Their forefeet show normal grip strength when the mutant mice are pulled gently backwards over a cage cover. When picked up by the tail, they may clasp their hindfeet. However, they show sufficient hindlimb strength to prevent their falling when placed on an edge. Mutants live through adulthood, and mice of both sexes breed. $Grm1^{rcw}$ has been mapped between the flanking markers $D10Mit49$, at map position 6.3 Mb and $D10Mit80$, at map position 11.4 Mb.
Related Products and Services

Frozen Mouse Embryo

C3.129S1(B6)-Grm1<rcw>/J Frozen Embryos

$2595.00

Citation

When using the recoil wobbler mouse strain in a publication, please cite the originating article(s) and include JAX stock #005494 in your Materials and Methods section.

Animal Health Reports

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.

Cryo Recovery

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<th>SERVICE/PRODUCT</th>
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<th>PRICE</th>
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<tr>
<td>Cryo Recovery</td>
<td>Heterozygous for Grm1&lt;rcw&gt;</td>
<td>$2,854.50</td>
</tr>
</tbody>
</table>

Pricing effective for USA, Canada and Mexico shipping destinations

Domestic

Internation
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<td>By Allele</td>
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<tr>
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All Related Strains

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