Overview

This recessive mutation is useful for characterizing the function of Grid2 in Purkinje cells and cerebellar ataxia.
GENETIC OVERVIEW

Genetic Background
Genetic Background
00664 C57BL/6J

Generation

Grid2<sup>ho-19J</sup>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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</thead>
<tbody>
<tr>
<td>Spontaneous (Not Specified)</td>
<td>Grid2</td>
<td>glutamate receptor, ionotropic, delta 2</td>
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</tbody>
</table>

RESEARCH APPLICATIONS
Neurobiology Research

BASE PRICE
Starting at:
$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description
This recessive mutation sometimes causes a leaning, side-to-side gait and slightly smaller body size in homozygotes by approximately 2 weeks of age. By 3 weeks of age all homozygotes display a rear-leg high-stepping ataxia typical of hotfoot mutants, wherein the rear legs are each lifted higher than normal and placed down with a patting-like motion.

Development

Selected References

Genetics

Grid2<sup>ho-19J</sup>

Disease/Phenotype
Genotyping Protocols
Genotyping resources and troubleshooting

Citation
When using the C57BL/6J-Grid2<ho-19J>/GrsrJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #017687 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions
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.

<table>
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<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous for Grid2&lt;ho-19J&gt;</td>
<td>$2,854.50</td>
</tr>
</tbody>
</table>

Related Products and Services

Frozen Mouse Embryo  C57BL/6J-Grid2<ho-19J>/GrsrJ Frozen Embryo  $2595.00
Payment Terms and Conditions
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All

By Allele

By Gene

By Collection

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Leading the search for
TOMORROW'S CURES

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