Also Known As: rostral cerebellar malformation

These mice carry a spontaneous mutation at the Unc5c locus characterized by falling to the side, an irregular thickness of the cortex, and scrambled Purkinje and granule cells.
## Genetic Background

### Generation

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spontaneous</td>
<td>Unc5c</td>
<td>unc-5 netrin receptor C</td>
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</table>

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<tr>
<th>Allele Type</th>
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<tr>
<td>Spontaneous</td>
<td>a</td>
<td>nonagouti</td>
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## RESEARCH APPLICATIONS

### Neurobiology Research

## BASE PRICE

Starting at: $2,854.50 Domestic price Cryo Recovery

## Detailed Description

The cerebellum of mice homozygous for the rostral cerebellar malformation spontaneous mutation \((Unc5c^{rcm})\) is smaller with fewer folia, there are ectopic cerebellar cells in the midbrain, and abnormal neuronal migration. Homozygous mutant mice are ataxic and experience growth retardation early in life. Homozygous males usually do not breed.
Genotyping Protocols
Genotyping resources and troubleshooting

Citation
When using the rostral cerebellar malformation mouse strain in a publication, please cite the originating article(s) and include JAX stock #001607 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

Cryo Recovery
Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

<table>
<thead>
<tr>
<th>Domestic</th>
<th>Pricing effective for USA, Canada and Mexico shipping destinations</th>
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</thead>
<tbody>
<tr>
<td><strong>Cryorecovery - Domestic Pricing</strong></td>
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<tr>
<td><strong>SERVICE/PRODUCT</strong></td>
<td><strong>DESCRIPTION</strong></td>
</tr>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or Homozygous for Unc5c&lt;rcm&gt;, 1 pair minimum</td>
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</tbody>
</table>

Related Products and Services

Frozen Mouse Embryo
B6C3Fe a/a-Unc5c<rcm>/J Frozen Embryos $2,595.00
Payment Terms and Conditions
Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

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Email: TechTran@jax.org

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### Related Strains

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<tr>
<th>All</th>
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<tr>
<td>By Allele</td>
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<tr>
<td>By Gene</td>
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<tr>
<td>By Collection</td>
</tr>
</tbody>
</table>

All Related Strains

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