Overview

Also Known As: Purkinje cell degeneration 5 Jackson

Agtpbp1<sup>pcd-5J</sup> homozygotes are visibly classified by weaning age and live through adulthood. They present the ataxic gait and severe deficiency of Purkinje cells characteristic of other Agtpbp1 alleles. See initial characterization.
**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Agtpbp1</strong>&lt;sup&gt;pcd-5J&lt;/sup&gt;</td>
<td></td>
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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>Spontaneous</td>
<td>Agtpbp1</td>
<td>ATP/GTP binding protein 1</td>
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</tbody>
</table>

**RESEARCH APPLICATIONS**

Neurobiology Research

**BASE PRICE**

Starting at:

$2,854.50 Domestic price Cryo Recovery

**Details**

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**Development**

**Control Suggestions**

**Selected References**

**Genetics**

*Agtpbp1*<sup>pcd-5J</sup>
Genotyping Protocols
Sanger sequencing: Agtpbp1
Genotyping resources and troubleshooting

Breeding Considerations
Homozygous males do not breed, but homozygous females sometimes do making the homozygote x heterozygote breeding scheme an option for colony maintenance.

Additional Breeding and Husbandry Support

Appearance
dilute brown, ataxic
Related Genotype: a/a Tyrp1b/Tyrp1b Myo5ad/Myo5ad Agtpbp1pcd-5J/Agtpbp1pcd-5J
dilute brown, unaffected
Related Genotype: a/a Tyrp1b/Tyrp1b Myo5ad/Myo5ad Agtpbp1pcd-5J/+ 

Citation
When using the Purkinje cell degeneration 5 Jackson mouse strain in a publication, please cite the originating article(s) and include JAX stock #004518 in your Materials and Methods section.

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.
**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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**Terms Of Use**

**Licensing Information**

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Email: TechTran@jax.org

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains

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