B6.BR-Agtpbp1<sup>pcd/J</sup>

Stock No: 000537 | Purkinje cell degeneration

 recherable. Mice homozygous for the Agtpbp1<sup>pcd</sup> spontaneous mutation show a moderate ataxia with degeneration of Purkinje cells.

**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>000664 C57BL/6J</td>
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</tbody>
</table>

**Agtpbp1<sup>pcd</sup>**

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spontaneous (Not Specified)</td>
<td>Agtpbp1</td>
<td>ATP/GTP binding protein 1</td>
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**RESEARCH APPLICATIONS**

Neurobiology Research
Sensorineural Research

**BASE PRICE**

Starting at:

$2,595.00 Domestic price Cryo Recovery
Mice homozygous for the Purkinje cell degeneration spontaneous mutation (Agtpbp1<sup>pod</sup>) show a moderate ataxia beginning at 3 to 4 weeks. Homozygous mutant mice are somewhat smaller than normal but may live a fairly normal life span. Males have abnormal sperm and are sterile. Females are fertile but are poor breeders. There is rapid degeneration of nearly all Purkinje cells beginning at 15 to 18 days, and a slower degeneration of the photoreceptor cells of the retina and mitral cells of the olfactory bulb. Degeneration of Purkinje cells is followed by partial loss of granule cells. Discrete serotonin-immunoreactive fibers, which ascend to all three layers of the cerebellar cortex in normal controls, are of much higher density and form multidirectional contours in homozygotes. In the retina of homozygous mutant mice, pycnotic nuclei begin to appear in the photoreceptor cells between 18 and 25 days, and the outer rod segments become disorganized. Degeneration of the photoreceptor cells proceeds slowly to completeness over the course of a year.
Appearance
black, ataxic
Related Genotype: a/a Agtpbp1<sup>Pcd</sup>/Agtpbp1<sup>Pcd</sup>

black, unaffected
Related Genotype: a/a Agtpbp1<sup>Pcd</sup>/+ or a/a ?/+ 

Citation
When using the Blacking cell degeneration mouse strain in a publication, please cite the originating article(s) and include JAX stock #000537 in your Materials and Methods section.

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>
<thead>
<tr>
<th>Domestic</th>
<th>International</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cryorecovery - Domestic Pricing</strong></td>
<td></td>
</tr>
<tr>
<td><strong>SERVICE</strong></td>
<td><strong>GENOTYPE</strong></td>
</tr>
<tr>
<td>Cryo Recovery</td>
<td>No genotyping assay is available for this recessive mutation. The customer will receive cryorecovered animals of undefined genotype.</td>
</tr>
</tbody>
</table>

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a Dedicated Supply for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

Related Products and Services

| Frozen Mouse Embryo | $2,595.00 per straw or vial |

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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The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. Therefore, we cannot guarantee a strain’s phenotype will meet all expectations. To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project.

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Terms of Use

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Licensing Information

Phone: 207-288-6470
Email: TechTran@jax.org

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All

By Allele

By Gene

By Collection

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TOMORROW’S CURES