**STOCK Oca2<sup>p</sup> Prop1<sup>df</sup>/J**

**Stock No:** 001618 | Ames dwarf

- Spontaneous Mutation

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**PLACE ORDER**

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

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**Also Known As:** Ames dwarf

These mice carry the pink-eyed dilution allele and a spontaneous mutation at the Prop1 locus that is characterized by growth retardation.

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**Genetic Background**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
</table>

**Oca2<sup>p</sup>**

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spontaneous</td>
<td>Oca2</td>
<td>oculocutaneous albinism II</td>
</tr>
</tbody>
</table>

**Prop1<sup>df</sup>**

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spontaneous</td>
<td>Prop1</td>
<td>paired like homeodomain factor 1</td>
</tr>
</tbody>
</table>

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**VIEW GENETICS**

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Dermatology Research  
Mouse/Human Gene Homologs  
Neurobiology Research  
Developmental Biology Research  
Endocrine Deficiency Research  
Immunology, Inflammation and Autoimmunity Research

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**VIEW ALL RESEARCH APPLICATIONS**
Mice homozygous for the Ames dwarf spontaneous mutation (Prop1<sup>df</sup>) resemble mice homozygous for the Snell’s dwarf mutation (Pit1<sup>dm</sup>). Homozygous Ames dwarf mutant mice show growth retardation after the first postnatal week, and weight at 2 months is only about one-half normal. Females and most males are sterile. There is no detectable growth hormone or prolactin. Ames dwarf mice have a secondary immune deficiency presumably resulting from the lack of growth hormone.

**Genetics**

- Oca2<sup>p</sup>
- Prop1<sup>df</sup>

**Disease/Phenotype**

- Disease Terms
- Research Areas By Genotype
- Mammalian Phenotype Terms by Genotype
- References

**Technical Support**

**Genotyping Protocols**

- Pyrosequencing: Prop1<sup>df</sup>-SEQ
- Sanger sequencing: Prop1<sup>df</sup>-SEQ

Genotyping resources and troubleshooting
Appearance

pink-eyed fawn, small body size
Related Genotype: Oca2<sup>p</sup>/Oca2<sup>p</sup> Prop1<sup>df</sup>/Prop1<sup>df</sup>

pink-eyed fawn, normal size
Related Genotype: Oca2<sup>p</sup>/Oca2<sup>p</sup> Prop1<sup>df</sup>/+ or Oca2<sup>p</sup>/Oca2<sup>p</sup> +/-

Citation

If you use the Jackson strain of mouse in a publication, please cite the originating article(s) and include JAX stock #001618 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.

<table>
<thead>
<tr>
<th>Domestic</th>
<th>International</th>
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</thead>
<tbody>
<tr>
<td>SERVICE</td>
<td>GENOTYPE</td>
</tr>
<tr>
<td>Cryo Recovery</td>
<td>Homozygous for Oca2&lt;sup&gt;p&lt;/sup&gt;, Homozygous or Heterozygous or wild-type for Prop1&lt;sup&gt;df&lt;/sup&gt;</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

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

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