STOCK Oca2<sup>p</sup> Prop1<sup>dr</sup>/J

Stock No: 001618 | Ames dwarf

Spontaneous Mutation

CRYO RECOVERY

PLACE ORDER

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

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.

READ MORE +

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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</thead>
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<table>
<thead>
<tr>
<th>Oca2&lt;sup&gt;p&lt;/sup&gt;</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allele Type</td>
<td>Oca2</td>
<td>oculocutaneous albinism II</td>
</tr>
<tr>
<td>Spontaneous</td>
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<table>
<thead>
<tr>
<th>Prop1&lt;sup&gt;dr&lt;/sup&gt;</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Allele Type</td>
<td>Prop1</td>
<td>paired like homeodomain factor 1</td>
</tr>
<tr>
<td>Spontaneous</td>
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VIEW GENETICS

RESEARCH APPLICATIONS

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

VIEW ALL RESEARCH APPLICATIONS
Details

Detailed Description
Mice homozygous for the Ames dwarf spontaneous mutation (Prop1^{df}) resemble mice homozygous for the Snell’s dwarf mutation (Pit1^{dn}). 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.

Control Suggestions

Genetics

0ca2p

Prop1^{df}

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols
Pyrosequencing: Prop1^{df}
Sanger sequencing: Prop1^{df}-SEQ
Genotyping resources and troubleshooting
Appearance
pink-eyed fawn, small body size
Related Genotype: Oca2<sup>p</sup>/Oca2<sup>p</sup> Prop<sup>1</sup>/Prop<sup>1</sup>

pink-eyed fawn, normal size
Related Genotype: Oca2<sup>p</sup>/Oca2<sup>p</sup> Prop<sup>1</sup>/+ or Oca2<sup>p</sup>/Oca2<sup>p</sup> +/?

Citation
If you publish the use of this mouse strain in a publication, please cite the originating article(s) and include JAX stock #001618 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>
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<tbody>
<tr>
<td>Cryorecovery - Domestic Pricing</td>
<td></td>
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<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 Prop&lt;sup&gt;1&lt;/sup&gt;/df&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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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains

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tomorrow’s cures