B6.DW-Pou1f1\textsuperscript{dw/J}

Stock No: 000772 | dwarf

Genetic Background

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td>Pou1f1\textsuperscript{dw}</td>
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</table>
Allele Type | Gene Symbol | Gene Name
---|---|---
Spontaneous | Pou1f1 | POU domain, class 1, transcription factor 1

**RESEARCH APPLICATIONS**

- Cell Biology Research
- Developmental Biology Research
- Endocrine Deficiency Research
- Immunology, Inflammation and Autoimmunity Research
- Reproductive Biology Research
- Mouse/Human Gene Homologs

**BASE PRICE**

Starting at:

$2,854.50 Domestic price Cryo Recovery

**Details**

**Detailed Description**

Mice homozygous mice for the dwarf spontaneous mutation (Pou1f1<sup>dw</sup>) are characterized by severe proportional dwarfing, sterility, and hypothyroidism. Adult dwarf mice are about one-fourth to one-third the size of wildtype mice. There is a lack of growth hormone, prolactin and thyroid stimulating hormone producing cells in the anterior pituitary leading to severe endocrine deficiency of these hormones. Homozygous mutant mice show a transient loss in cortical thymocytes associated with the primary defect in anterior pituitary.

**Development**

**Selected References**

**Genetics**

**Pou1f1<sup>dw</sup>**

**Disease/Phenotype**

**Disease Terms**
Genotyping Protocols
Sanger sequencing: Pou1f1<sup>dw</sup>
Genotyping resources and troubleshooting

Citation
When publishing the strain, please cite
the originating article(s) and include JAX stock #000772 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>
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<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or Wild-type for Pou1f1&lt;sup&gt;dw&lt;/sup&gt;</td>
<td>$2,854.50</td>
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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.

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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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All Related Strains

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