Overview

Also Known As: muted

These mice carry a spontaneous mutation at the Bloc1s5 locus characterized by pigment, otolith, and platelet storage pool deficiency abnormalities.
GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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**Bloc1s5**

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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</thead>
<tbody>
<tr>
<td>Spontaneous (Hypomorph)</td>
<td>Bloc1s5</td>
<td>biogenesis of lysosomal organelles complex-1, subunit 5, muted</td>
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**Aw-J**

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<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
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<tr>
<td>Spontaneous</td>
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<td>nonagouti</td>
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RESEARCH APPLICATIONS

- Dermatology Research
- Neurobiology Research
- Sensorineural Research

BASE PRICE

Starting at:

$2,595.00 Domestic price Cryo Recovery

Details

**Detailed Description**

Mice homozygous for the muted spontaneous mutation (Bloc1s5**^mu^**) have light eyes at birth and their fur is a muted brown shade, often with white underfur. Some have a balance defect, similar to that of pallid (Bloc1s6**^pah^**). Homozygous mutant mice show head-titling and loss of postural reflexes, due to absence of otoliths from the saccus and utriculus of one or both ears. The bony labyrinth is normal; the mice are not deaf and do not circle. Mutant mice have prolonged bleeding times and a platelet storage pool deficiency (SPD) associated with abnormalities of the dense granules of the blood platelets. The combination of pigment, otolith, and SPD abnormalities also occurs in two other mouse mutants, pallid and mocha (Ap3d1**^moh^**), and is also seen in human Hermansky-Pudlak syndrome.

**Selected References**
Genotyping Protocols
Genotyping resources and troubleshooting

Citation
When using the routed mouse strain in a publication, please cite the originating article(s) and include JAX stock #000505 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.

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<th>Cryorecovery - Domestic Pricing</th>
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<td>SERVICE</td>
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Domestic | International
Pricing effective for USA, Canada and Mexico shipping destinations
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.

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.

Terms Of Use
Terms of Use
General Terms and Conditions

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

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Related Strains

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By Allele

By Gene

By Collection

All Related Strains
ELLSWORTH FACILITY OFFICIALLY OPEN AND OPERATIONAL
Shipments have begun at our new facility, allowing increased access to JAX mouse models.

Leading the search for
TOMORROW'S CURES