C3H/HeSnJ-Slc7a11 su/su/J

Stock No: 001310 | subtle gray

Coisogenic, Spontaneous Mutation

Cryo Recovery

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

Also Known As: C3H/HeSnJ-su/su/J, subtle gray

The subtle gray mutant provides a platelet storage pool deficiency model that is less severe than most others.

Read More +

Genetic Overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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</thead>
<tbody>
<tr>
<td>Slc7a11 su/su/J</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Spontaneous</td>
<td>Slc7a11</td>
<td>solute carrier family 7 (cationic amino acid transporter, y+ system), member 11</td>
</tr>
</tbody>
</table>

View Genetics

Research Applications

Dermatology Research
Mouse/Human Gene Homologs

View All Research Applications

Base Price

Starting at:

$2,595.00 Domestic price Cryo Recovery

View Price List
Detailed Description

Mice Homozygous for the subtle gray mutation have a moderate platelet storage pool deficiency and have decreased yellow hair pigment, although the black pigment does not appear affected. This is most evident in the juvenile coat of an agouti background mouse, while on a non-agouti (black) background the difference is difficult to discern and is noted by some reduction in the yellow hair pigment in the ear pinnae. Both female and male homozygotes have an intermediate elevated bleed time of 7.5 minutes compared with 2.2 minutes in heterozygous controls and more than 15 minutes in many other platelet storage pool deficiency models. Subtle gray homozygotes also have moderate deficiencies in platelet dense granules including a 20% reduction in dense granules per platelet, decreased platelet serotonin, decreased collagen-stimulated ATP release from platelets, and decreased platelet aggregation (Swank et al., 1996). These deficiencies are mild compared with those of other platelet storage pool deficiency models, with the subtle gray decrease in platelet serotonin being the most mild of any of the 12 models comparatively assessed by Swank et al (1998). No defects were found in the activities of beta-glucuronidase or beta-galactosidase, lysosomal enzymes of the kidney, distinguishing this from other platelet storage pool disease models such as mocha, muted, light ear, pale ear, palid or pearl (Swank et al., 1996). The subtlety in the dilution of coat color, the shorter bleed time and less severe platelet defects make this a less severe model than other platelet storage pool deficiency models.
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>Pricing effective for USA, Canada and Mexico shipping destinations</td>
<td></td>
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</table>

Cryorecovery - Domestic Pricing

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Homozygous or Heterozygous for Slc7a11&lt;sut&gt;</td>
<td>$2,595.00</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.
Terms Of Use

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