B6.129P2-Hbb-b1^tmUnc Hbb-b2^tmUnc/J

Stock No: 002683 | 0-thalassemia

Congenic, Targeted Mutation

PLACE ORDER

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

Also Known As: α-thalassemia
In these mice, both hemoglobin chain genes, Hbb-b1 and Hbb-b2 are knocked out.

Donating Investigator
Dr. Oliver Smithies, University of North Carolina at Chapel Hill

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>000664 C57BL/6J</td>
<td></td>
</tr>
</tbody>
</table>

Hbb-b2<sup>tm1Unc</sup>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>Hbb-b2</td>
<td>hemoglobin, beta adult minor chain</td>
</tr>
</tbody>
</table>

Hbb-b1<sup>tm1Unc</sup>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>Hbb-b1</td>
<td>hemoglobin, beta adult major chain</td>
</tr>
</tbody>
</table>

RESEARCH APPLICATIONS
Hematological Research

BASE PRICE
Starting at: $2,854.50 Domestic price Cryo Recovery

Details
Detailed Description

Homozygous mice die perinatally. Heterozygous mice show "characteristics typical of severe thalassemia" and are fertile.

Control Suggestions

Selected References

Genetics

- **Hbb-b2*^m1luc**

- **Hbb-b1*^m1luc**

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

MELT: Generic HPRT- alternate2
Separated PCR: Human HPRT/KO2
Separated PCR: Human HPRT/KO2
Genotyping resources and troubleshooting

Appearance

black
Related Genotype: a/a

Citation

When using the thalassemia mouse strain in a publication, please cite the originating article(s) and include JAX stock #002683 in your Materials and Methods section.

Animal Health Reports

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>Service</th>
<th>Genotype</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or wildtype for Hbb-b2&lt;tm1Unc&gt;</td>
<td>$2,654.50</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Related Products and Services</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frozen Mouse Embryo</td>
<td>$2,595.00 per straw or vial</td>
</tr>
</tbody>
</table>

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.

**The Jackson Laboratory's Genotype Promise**

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.

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Terms of Use

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Related Strains

- All
- By Allele
- By Gene