B6.129S2-Alox12 tm1Fun/J

Stock No: 004042 | P-12LO-

Congenic, Targeted Mutation

REQUEST CYORECOVERY

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

Overview

Also Known As: P-12LO-

These Alox12 knock-out mice exhibit a hyper-responsiveness to adenosine diphosphate (ADP)-induced platelet aggregation and may be useful in studies of thromboembolism.
GENETIC OVERVIEW

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<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>Alox12</td>
<td>arachidonate 12-lipoxygenase</td>
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RESEARCH APPLICATIONS

- Dermatology Research
- Hematological Research
- Cardiovascular Research
- Research Tools

BASE PRICE
Starting at:

$2,595.00 Domestic price Cryo Recovery

Details

Detailed Description

Mice that are homozygous null for the Alox12 gene are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. No Alox12 protein product or enzyme activity is detected in platelets derived from homozygous null animals. Platelets exhibit a hyperresponsiveness to ADP-induced aggregation. Studies examining basal transepidermal water loss indicate that null animals exhibit greater water loss through the skin when compared to control animals.

Development

Control Suggestions

Genetics
Genotyping Protocols
Separated PCR: Alox12<sup>tm1Fmuf</sup>
Genotyping resources and troubleshooting

Breeding Considerations
This strain originated on a B6.129S2 background and has been backcrossed to C57BL/6J for eight generations before being made homozygous. Coat color expected from breeding: Black
Additional Breeding and Husbandry Support

Citation
When using this B.129 strain in a publication, please cite the originating article(s) and include JAX stock #004042 in your Materials and Methods section.

Animal Health Reports
Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

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

Domestic | International
Pricing effective for USA, Canada and Mexico shipping destinations

<table>
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<th>Cryorecovery - Domestic Pricing</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tr>
<td>SERVICE</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.

### 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.

**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

General Terms and Conditions

**Licensing Information**

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

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