B6.129-Apoel^tm1Unc Ldlr^tm1Her/J

Stock No: 002246 | LDLR- apoE-

- Congenic, Targeted Mutation

PLACE ORDER

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.
Also Known As: LDLR- apoE-

These double knock-out mice show marked elevations in both APOB48 and APOB100 apolipoproteins.

Donating Investigator
IMR Colony, The Jackson Laboratory

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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</thead>
<tbody>
<tr>
<td><strong>Ldlr^{Im1Her}</strong></td>
<td></td>
</tr>
<tr>
<td>Allele Type</td>
<td>Gene Symbol</td>
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<tr>
<td>Targeted (Null/Knockout)</td>
<td>Ldlr</td>
</tr>
</tbody>
</table>

| **Apoel^{Im1Unc}** |            |
| Allele Type        | Gene Symbol | Gene Name                |
| Targeted (Null/Knockout) | Apoe         | apolipoprotein E |

RESEARCH APPLICATIONS
Neurobiology Research
Cardiovascular Research
Metabolism Research
Mouse/Human Gene Homologs

BASE PRICE
Starting at:
$2,595.00 Domestic price Cryo Recovery

VIEW ALL RESEARCH APPLICATIONS
VIEW PRICE LIST

Details
Detailed Description
Mice homozygous for the Apoe<sup>tm1Unc</sup> and Ldr<sup>tm1Her</sup> targeted mutations on a normal chow diet show cholesterol levels corresponding to those seen in the Apoe<sup>tm1Unc</sup> targeted mutant strain. The lipoprotein pattern in homozygous mice also resembles that seen in the Apoe<sup>tm1Unc</sup> targeted mutant strain (VLDL & chylomicron remnants). The double targeted mice have a marked increase in both APOB48 and APOB100. In addition, APOAIV is increased.

**Development**

**Control Suggestions**

**Selected References**

**Genetics**

**Ldr<sup>tm1Her</sup>**

**Apoe<sup>tm1Unc</sup>**

**Disease/Phenotype**

**Disease Terms**

**Research Areas By Genotype**

**Mammalian Phenotype Terms by Genotype**

**References**

**Technical Support**

CONTACT TECHNICAL SUPPORT

**Genotyping Protocols**

High Resolution Melting: Apoe<sup>tm1Unc</sup>

Standard PCR: Apoe<sup>tm1Unc</sup>

High Resolution Melting: Ldr<sup>tm1Her</sup>-alternate 1

Genotyping resources and troubleshooting

**Breeding Considerations**

When maintaining a live colony, mice homozygous for both targeted mutations may be bred together. Mice are kept on a low fat diet. The expected coat color from breeding is black.

Additional Breeding and Husbandry Support

**Appearance**

black

Related Genotype: a/a
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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<tbody>
<tr>
<td>Cryorecovery - Domestic Pricing</td>
<td>GENOTYPE</td>
</tr>
<tr>
<td>Cryo Recovery</td>
<td>Homozygous for Apoe&lt;tm1Unc&gt; and Ldlr&lt;tm1Her&gt;</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.

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.

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Terms of Use

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Email: TechTran@jax.org

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