B6;129-Irs3\textsuperscript{tm1Lhd/J}

Stock No: 003900 | IRS-3 KO

Targeted Mutation

CRYO RECOVERY

REQUEST CRYORECOVERY

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

Also Known As: IRS-3 KO

These Irs3 knock-out mice exhibit a reduction in fasting plasma insulin level.

Donating Investigator

Gustav E. Lienhard, Dartmouth Medical School

READ MORE +

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irs3\textsuperscript{tm1Lhd}</td>
<td></td>
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</tbody>
</table>

<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>Irs3</td>
<td>insulin receptor substrate 3</td>
</tr>
</tbody>
</table>

VIEW GENETICS

RESEARCH APPLICATIONS

Diabetes and Obesity Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

$2,595.00 Domestic price Cryo Recovery
Details

Detailed Description
Mice that are homozygous null for the Irs3 gene are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. The inactivation of Irs3 appears not to perturb glucose homeostasis with the possible exception of young (9-13 weeks, postnatal) homozygous males. These mice exhibit a fasting plasma insulin level 60% that of wildtype controls. The difference is not observed in female or older (6 months) homozygous null mice.

Development

Control Suggestions

Selected References

Genetics

Irs3\textsuperscript{Imltd}

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, these mice can be bred as homozygotes. The expected coat color from breeding is black. Additional Breeding and Husbandry Support
Citation
When using the JAX J2K0 mouse strain in a publication, please cite the originating article(s) and include JAX stock #003900 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.

<table>
<thead>
<tr>
<th>Domestic</th>
<th>International</th>
</tr>
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<tbody>
<tr>
<td>Cryorecovery - Domestic Pricing</td>
<td>Cryorecovery - International Pricing</td>
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<table>
<thead>
<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous for Irs3&lt;tm1Lhd&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.

Payment Terms and Conditions
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Email: TechTran@jax.org

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