Overview

Also Known As: ALDP KO
These Abcd1 knock-out mice exhibit no significant neurologic deficits.

Donating Investigator
IMR Colony, The Jackson Laboratory
**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Abcd1</strong>&lt;sup&gt;Im1Kan&lt;/sup&gt;</td>
<td></td>
</tr>
</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>Abcd1</td>
<td>ATP-binding cassette, sub-family D (ALD), member 1</td>
</tr>
</tbody>
</table>

**RESEARCH APPLICATIONS**

Neurobiology Research

**BASE PRICE**

Starting at:

$2,595.00 Domestic price Cryo Recovery

**Details**

**Detailed Description**

Mice homozygous for the Abcd1<sup>Im1Kan</sup> targeted mutation are viable and fertile. Motor development and function are normal in homozygous mutant mice and no early neurologic deficits were evident through the first six months of age. There are no significant differences between mutant mice and wild type mice in the rotarod test and no significant difference in the performance compared to wild type 129/Sv and C57BL/6 background strains.

In an attempt to offer alleles on well-characterized or multiple genetic backgrounds, alleles are frequently moved to a genetic background different from that on which an allele was first characterized. This is the case for the strain above. It should be noted that the phenotype could vary from that originally described. We will modify the strain description if necessary as published results become available.

**Control Suggestions**

**Selected References**

**Genetics**
Genotyping Protocols
MELT: Abcd1tm1Kan
Genotyping resources and troubleshooting

Breeding Considerations
The strain was generated on a 129/Sv background and is currently (7/9/98) at N4 on a C57BL/6 background. Homozygotes are viable and fertile. The gene is located on the X-chromosome. Homozygous female and hemizygous male mice are viable with a normal lifespan. Most of them breed well, but due to atrophy of ovary/testis, up to 10 per cent of homozygous and up to 20 per cent of hemizygous mice are not fertile. Despite this, the investigator indicates that we should not have any problems in breeding a colony. They have never observed the atrophy in heterozygous mice. Expected coat color from breeding: Black, White Bellied Agouti
Additional Breeding and Husbandry Support

Citation
When using the ALD KO mouse strain in a publication, please cite the originating article(s) and include JAX stock #003716 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.

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

Cryorecovery - Domestic Pricing
<table>
<thead>
<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>X linked - Heterozygous females and Wildtype males</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

<table>
<thead>
<tr>
<th>Product</th>
<th>Price</th>
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<tbody>
<tr>
<td>Frozen Mouse Embryo</td>
<td>$2,595.00 per straw or vial</td>
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</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.

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### Terms Of Use

**Terms of Use**

General Terms and Conditions

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**Licensing Information**

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

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains
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