Overview

This strain is congenic for a segment of distal Chromosome 10 bearing the A/J derived age related hearing loss 4 (ahl4) mutation in citrate synthase and is useful for studies of hearing, mitochondrial regulation and energy metabolism.
### GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spontaneous (Not Specified)</td>
<td>Cs</td>
<td>citrate synthase</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Marker(s)</th>
<th>Marker Symbol</th>
<th>Marker Name</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>D10Utsw1</td>
<td>DNA segment, Chr 10, University of Texas Southwestern 1</td>
</tr>
</tbody>
</table>

### RESEARCH APPLICATIONS

**BASE PRICE**

Starting at: $2,854.50 Domestic price Cryo Recovery

Details

Detailed Description

This strain is congenic for a segment of distal Chromosome 10 bearing the age related hearing loss 4 ($ahl4$) mutation from A/J, which is a point mutation in the Cs gene. The ABR threshold average at 6 months of age was reported to be of 37.7 at 16 kHz, and at 9 months of age of 60 at 8 kHz, and 65 at 16 kHz, each significantly higher than that of C57BL/6J or heterozygotes.

Development

Control Suggestions
Citation
When using the B6.A-(rs3676616-D10Utsw1)/Kjn mouse strain in a publication, please cite the originating article(s) and include JAX stock #014192 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.
Related Products and Services

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frozen Mouse Embryo</td>
<td>B6.A-(rs3676616-D10Utsw1)/Kjn Frozen</td>
<td>$2595.00</td>
</tr>
<tr>
<td></td>
<td>Embryo</td>
<td></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.

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.

Terms Of Use

Terms of Use

General Terms and Conditions

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