B6.129S6-Cdh6<sup>tm1Sma</sup>/J

Stock No: 003742

- Congenic, Targeted Mutation

**CRYO RECOVERY**

**PLACE ORDER**

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

These Cdh6 knock-out mice exhibit a reduced number of formed, fully functioning nephrons.

**Donating Investigator**

Dr. Steven P. Mah, Digital Gene Technologies, Inc.

**GENETIC OVERVIEW**

<table>
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<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td>Cdh6&lt;sup&gt;tm1Sma&lt;/sup&gt;</td>
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- Allele Type: Targeted (Null/Knockout)
- Gene Symbol: Cdh6
- Gene Name: cadherin 6

**VIEW GENETICS**

**RESEARCH APPLICATIONS**

Developmental Biology Research

**VIEW ALL RESEARCH APPLICATIONS**

**BASE PRICE**

Starting at:

$2,595.00 Domestic price Cryo Recovery

**VIEW PRICE LIST**
Details

Detailed Description

The Cdh6 gene product is a transmembrane protein that is expressed during the earliest stages of nephrogenesis. Mice that are homozygous-null for this gene are viable and fertile with no detectable gene Cdh6 product. They possess only two-thirds the normal number of formed, fully functioning nephrons seen in adult wildtype mice. This diminished number of nephrons is thought to result from delayed epithelialization in the developing kidneys.

Development

Control Suggestions

Selected References

Genetics

Cdh6<sup>lm1Sm</sup>

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR: Cdh6<sup>lm1Sm</sup>
Separated PCR: Cdh6<sup>lm1Sm</sup>, alternate1
Genotyping resources and troubleshooting

Breeding Considerations

This strain originated on a B6;129S background. It has been backcrossed to B6 for seven generations and is maintained by the donating investigator as a homozygote.
Additional Breeding and Husbandry Support
Citation
In the event that the B6.129P2-Cdh6<tm1Sma>/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #003742 in your Materials and Methods section.

Facility Barrier Level Descriptions
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>
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<tr>
<th>Domestic</th>
<th>International</th>
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<tr>
<td>Cryorecovery - Domestic Pricing</td>
<td>GENOTYPE</td>
</tr>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or wildtype for Cdh6&lt;tm1Sma&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.

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.

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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.
Terms Of Use

General Terms and Conditions

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Email: TechTran@jax.org

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