These mice carry a spontaneous mutation at the \textit{Aqp2} locus characterized by renal failure and early death.

### GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>\textit{Aqp2}^{cph}</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>Spontaneous</td>
<td>\textit{Aqp2}</td>
<td>aquaporin 2</td>
</tr>
</tbody>
</table>

### RESEARCH APPLICATIONS

- Internal/Organ Research
- Developmental Biology Research

### BASE PRICE

**Starting at:**

$2,854.50 Domestic price cryo Recovery
Homozygous mutant mice have progressive bilateral upper urinary tract obstruction leading to azotemia and death of renal failure. They usually live 2-4 weeks although some may live longer and may breed. The anatomical site of obstruction appears to be at the level of the ureteropelvic junction. The cph mouse strain provides a reproducible model for analysis of the onset and development of obstructive uropathic conditions in the neonatal period.
Genotyping Protocols
Pyrosequencing: Aqp2
Genotyping resources and troubleshooting

Appearance
black
Related Genotype: a/a
Citation
When using the congenital progressive hydronephrosis mouse strain in a publication, please cite the originating article(s) and include JAX stock #000530 in your Materials and Methods section.

Animal Health Reports
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>
<thead>
<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>cryo Recovery</td>
<td>Heterozygous or Wild-type for Aqp2&lt;cp&lt;h&gt;</td>
<td>$2,854.50</td>
</tr>
</tbody>
</table>

| RELATED PRODUCTS AND SERVICES |
|-------------------------------|-----------------|---------|
| Frozen Mouse Embryo           | C57BL/6J-Aqp2<cp<h>/J | $2595.00 |

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. We do not guarantee breeding performance and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

Terms Of Use

TERMS OF USE

General Terms and Conditions

LICENSING INFORMATION

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

Related Strains

All

By Allele

By Gene

By Collection