Also Known As: humpback

These mice carry an ENU-induced mutation at the Notch3 locus and exhibit myopathy.
GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>Notch3^hpbk</td>
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</tbody>
</table>

**Allele Type** | **Gene Symbol** | **Gene Name**  
Chemically induced (ENU) | Notch3 | notch 3  

RESEARCH APPLICATIONS

BASE PRICE

Starting at:

$2,854.50 Domestic price Cryo Recovery

Mice homozygous for the humpback mutation appear normal at wean age, but by 5 weeks of age can be distinguished by thoracic kyphosis and scrawniness. Both phenotypes progress with age, and sudden death is common in adults. Histology reveals myopathy. Homozygotes females are not able to deliver pups and homozygous males develop phimosis so do not breed.

Details

Detailed Description

Mice homozygous for the humpback mutation appear normal at wean age, but by 5 weeks of age can be distinguished by thoracic kyphosis and scrawniness. Both phenotypes progress with age, and sudden death is common in adults. Histology reveals myopathy. Homozygotes females are not able to deliver pups and homozygous males develop phimosis so do not breed.

Development

Control Suggestions

Selected References

Genetics
Genotyping Protocols
Sanger sequencing: Notch3-Alternate 1
Genotyping resources and troubleshooting

Citation
When using the humpback mouse strain in a publication, please cite the originating article(s) and include JAX stock #005330 in your Materials and Methods section.

Animal Health Reports
Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

Pricing & Availability

<table>
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<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous for hpbk</td>
<td>$2,854.50</td>
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</tbody>
</table>

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

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains

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