This un-cloned spontaneous mutant has a hopping gait, abnormal tooth growth, and a small body size.
GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>006664 C57BL/6J</td>
<td></td>
</tr>
</tbody>
</table>

**Thpr**

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spontaneous</td>
<td>Thpr</td>
<td>tooth hopper</td>
</tr>
</tbody>
</table>

RESEARCH APPLICATIONS

Developmental Biology Research
Neurobiology Research

BASE PRICE
Starting at:
$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description
Tooth hopper heterozygotes are smaller than normal in size, and have a hopping gait rather than a normal stride. They may lean or fall over when trying to move around the cage. They grow long teeth that require trimming. This may be due to abnormal jaw length or additional lower teeth resulting in malocclusion. Some heterozygotes die before weaning, and those that survive will require ongoing trimming of the teeth. Female heterozygotes are poor mothers and do not produce large litters. This congenic carries the agouti allele in coupling with Thpr in the congenic interval.

Development

Control Suggestions

Selected References

Genetics

Thpr
Genotyping Protocols
Genotyping resources and troubleshooting

Breeding Considerations
Tooth overgrowth requires weekly cutting throughout life. Nestlets are beneficial to improve survival of these mutant pups. Female heterozygotes are poor mothers and produce small litters so it is preferred to maintain this strain by breeding heterozygous males.

Additional Breeding and Husbandry Support

Mating System
+/+ sibling x Heterozygote

Appearance
appearance: agouti with ataxia
associated genotype: A Thpr/a +

appearance: black, unaffected
associated genotype: a/a

Citation
When using the B6.C3(B6Ei)-4 Thpr/GrsrJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #003400 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.
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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Related Strains

All

By Allele

By Gene

By Collection

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