This ENU-induced point mutation in non-coding sequence provides a strong model for late-infantile neuronal ceroid lipofuscinosis without the caveats associated with neomycin phosphotransferase.
**Tpp1<sup>m1J</sup>**

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<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Chemically induced (ENU)</td>
<td>Tpp1</td>
<td>tripeptidyl peptidase I</td>
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**RESEARCH APPLICATIONS**

Neurobiology Research

**BASE PRICE**

Starting at:

$2,854.50 Domestic price Cryo Recovery

**Details**

**Detailed Description**

Homozygotes can be phenotypically identified by a tremor and hunched posture by 3.5 to 4 months of age. The tremor is intermittent and more pronounced when walking. The tremor, ataxia, and diminished locomotion progress and homozygotes die by 6 months of age. Myelin figures in the white matter, and eosinophilic and luxol fast blue positive neuronal inclusions are found, but retinal degeneration and diminished electroretinogram readings are not found. The molecular defect is a T to C point mutation in a splice donor site just downstream of exon 8. While this is a good model for late-infantile neuronal ceroid lipofuscinosis, the lack of an ocular phenotype differs from the disease in human.

**Development**

**Control Suggestions**

**Selected References**

**Genetics**

**Tpp1<sup>m1J</sup>**

**Disease/Phenotype**
Genotyping Protocols
Sanger sequencing: Tpp1
Genotyping resources and troubleshooting

Appearance
Appearance: black
Associated Genotype: a/a

Citation
When using the STOCK Tpp1<sup>m1J</sup>/GrsrJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #012876 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

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

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<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
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<td>Heterozygous for Tpp1&lt;sup&gt;m1J&lt;/sup&gt;</td>
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Domestic

Pricing effective for USA, Canada and Mexico shipping destinations

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<th>Cryorecovery - Domestic Pricing</th>
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International

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</tbody>
</table>

Related Products and Services

| Frozen Mouse Embryo | STOCK Tpp1<sup>m1J</sup>/GrsrJ Frozen Embryos | $2,595.00 |

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

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Contact Technical Support

Chat Off Line

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

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All

By Allele

By Gene

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