Mice homozygous for the totterer mutation exhibit mild tremors at approximately 2 weeks of age with worsening muscle weakness such that by 6 to 8 weeks of age they display a shaking, limb grasping, hunched, sprawled, tottering walk and develop late-onset clinical paralysis. Premature death results. Homozygotes are poor breeders, reproducing at most once or twice, and females are poor mothers.
**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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**Mpz**

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tr>
<td>Spontaneous</td>
<td>Mpz</td>
<td>myelin protein zero</td>
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</table>

**RESEARCH APPLICATIONS**

Neurobiology Research

**BASE PRICE**

Starting at:

$2,854.50 Domestic price Cryo Recovery

**Details**

**Detailed Description**

Mice homozygous for the totterer mutation exhibit mild tremors at approximately 2 weeks of age with worsening muscle weakness such that by 6 to 8 weeks of age they display a shaking, limb grasping, hunched, sprawled, tottering walk and develop late-onset clinical paralysis. Premature death results. Homozygotes are poor breeders, reproducing at most once or twice, and females are poor mothers.

**Development**

**Control Suggestions**

**Selected References**

**Genetics**

**Mpz**

**Disease/Phenotype**
Genotyping Protocols

Genotyping resources and troubleshooting

Citation

When using the B6.Cg-Mpz<sup>ttrr</sup>/GrsrJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #010494 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>
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<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous for Mpz&lt;sup&gt;ttrr&lt;/sup&gt;</td>
<td>$2,854.50</td>
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Related Products and Services

Frozen Mouse Embryo  B6.Cg-Mpz<sup>ttrr</sup>/GrsrJ  $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.

Terms Of Use

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

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Related Strains

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<tr>
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<tr>
<td>By Gene</td>
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<tr>
<td>By Collection</td>
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</tbody>
</table>

All Related Strains

DO YOU NEED BALB/c MICE?
Rely on JAX to provide the models you need, when you need them.