Overview

This spontaneous frameshift, predicted to modify only the last of the four zinc finger domains in ZFP191, is valuable in the study of the transcriptional regulation in oligodendrocytes that is essential for myelination of axons in the central nervous system.
GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zfp24&lt;sup&gt;hmcns-2J&lt;/sup&gt;</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>Zfp24</td>
<td>zinc finger protein 24</td>
</tr>
</tbody>
</table>

RESEARCH APPLICATIONS

Cell Biology Research
Neurobiology Research

BASE PRICE

Starting at:
$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description

Mice homozygous for the Zfp191<sup>hmcns-2J</sup> mutation have very little myelin in the central nervous system when assessed at four weeks of age, but no myelin deficiency in the peripheral nervous system. Homozygotes can be identified as early as fourteen days of age by a whole body tremor that is most pronounced when the mouse is moving. Both males and females have tonic seizures. The severity of the tremors becomes more pronounced as they age and they do not survive beyond four to five weeks of age. Because of this, this strain must be maintained using heterozygous breeders. A hearing deficit, which varies in expressivity, has also been attributed to this mutation in this strain.

Development

Control Suggestions

Selected References
Genotyping Protocols
End Point Analysis: Zfp191
Genotyping resources and troubleshooting

Mating System
Progeny Tested
intercross of progeny tested heterozygote

Citation
When using the CByJ(Cg) Zfp24<sup>hmcns-2J</sup>/GrsrJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #022138 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

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

<table>
<thead>
<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frozen Mouse Embryo</td>
<td>CByJ(Cg)-Zfp24&lt;mcns-2J&gt;/GrsrJ</td>
<td>$2,854.50</td>
</tr>
</tbody>
</table>

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### Terms Of Use

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

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**Related Strains**

- All
- By Allele
- By Gene
- By Collection

All Related Strains