These contactin 1 mutant mice are characterized by reduced body weight, a failure to thrive, locomotor abnormalities, and a lifespan of 2-3 weeks.

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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Mice homozygous for the $Cxtn1^{m1J}$ mutation are smaller than their wild-type littermates by 4 to 7 days of age, and appear emaciated by 2 weeks of age. They are ataxic, most die by 18 to 20 days of age, and all die by 30 days of age. Histological assessment found normal neuromuscular junctions, normal Purkinje cell dendritic arborization, and no morphological anomalies in brain. The twitch and titanic force generated by excised extensor digitorum longus muscles was found to be normal when normalized for the muscle weight of these smaller mutants. Necropsies showed pale livers, little food in the stomachs, and gas bubbles in the intestines.
Genotyping Protocols
Pyrosequencing:** Cntn1*W364STOP
Sanger sequencing:Cntn1-SEQ
Genotyping resources and troubleshooting

Citation
When using the B6;Cunogen Cntn1<002717> mouse strain in a publication, please cite the originating article(s) and include JAX stock #002717 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

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

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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 or wildtype for Cntn1&lt;01J&gt;</td>
<td>$2,854.50</td>
</tr>
</tbody>
</table>

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