AK.B6-Cln8 mnd/J

Stock No: 003906 | motor neuron degeneration

Genetic Background: 000648 AKR/J

Overview

Also Known As: motor neuron degeneration

These mice carry a spontaneous mutation at the Cln8 locus characterized by hindlimb weakness and ataxia. They are suitable for use in applications related to the study of neurodegenerative disease.
Cln8<sup>mnd</sup>

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<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tr>
<td>Spontaneous</td>
<td>Cln8</td>
<td>ceroid-lipofuscinosis, neuronal 8</td>
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RESEARCH APPLICATIONS
Neurobiology Research
Sensorineural Research

BASE PRICE
Starting at:

$2,595.00 Domestic price Cryo Recovery

Details

Detailed Description
Cln8<sup>mnd</sup> mice are characterized by hindlimb weakness and ataxia starting at 5-11 months of age, progressing to severe spastic paralysis of all limbs, with premature death. Histopathology reveals degeneration of upper and lower motoneurons. Both sexes are affected; the mice are fertile, although breeding efficiency is reduced. In outcrosses to wild-type, symptoms have been observed in all obligate heterozygotes, with a similar age range for onset to that of homozygotes.

Control Suggestions

Genetics

Cln8<sup>mnd</sup>

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype
References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols
Standard PCR: Cln8<sup>mnd</sup>
Genotyping resources and troubleshooting

Appearance
albino
Related Genotype: a/a Tyr<sup>c</sup>/Tyr<sup>c</sup>

Citation
When using this strain or any other degeneration mouse strain in a publication, please cite the originating article(s) and include JAX stock #003906 in your Materials and Methods section.
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.

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<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or Homozygous for Cln8&lt;sup&gt;mnd&lt;/sup&gt;, 1 pair minimum</td>
<td>$2,595.00</td>
</tr>
</tbody>
</table>

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a Dedicated Supply for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

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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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.

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**Terms Of Use**

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**General Terms and Conditions**

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**Licensing Information**

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

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By Allele

By Gene

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