C3H/HeSnJ-vamp1/grsrJ

Stock No: 004626

- Coisogenic, Spontaneous Mutation

**Overview**

Mice homozygous for this recessive mutation are recognized by their wasting pre-weaning lethal phenotype, they curl up, waste away, and die by 21 days. Mutants do not live to breed but no lesions have been found pathologically.
**GENETIC OVERVIEW**

<table>
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<tr>
<th>Genetic Background</th>
<th>Generation</th>
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*Vamp1<sub>lew</sub>*

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<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tr>
<td>Spontaneous</td>
<td>Vamp1</td>
<td>vesicle-associated membrane protein 1</td>
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**RESEARCH APPLICATIONS**

- Metabolism Research
- Developmental Biology Research

**BASE PRICE**

Starting at:

$2,854.50 Domestic price Cryo Recovery

**Details**

Mice homozygous for this recessive mutation are recognized by their wasting pre-weaning lethal phenotype, they curl up, waste away and die by 21 days. VAMP1 mRNA was found to be significantly downregulated in the lethal-wasting brain compared to wild-type littermates. Mutants do not live to breed but no lesions have been found pathologically.
Genotyping Protocols
Pyrosequencing: Vamp1
Sanger sequencing: Vamp1
Genotyping resources and troubleshooting

Breeding Considerations
Because mice homozygous for this recessive mutation die by wean age, this strain needs to be progeny tested at each generation to identify heterozygous breeder pairs.

Additional Breeding and Husbandry Support

Appearance
agouti, unaffected
Related Genotype: A/A Vamp1<lew>/+

Citation
When using the C3H/HeSnJ Vamp1<lew>/GrsrJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #004626 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

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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<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or wildtype for Vamp1&lt;lew&gt;</td>
<td>$2,854.50</td>
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By Gene

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TOMORROW’S CURES

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