B6C3Fe a/a-Glra1 spd/J

Stock No: 001278 | spasmodic

Spontaneous Mutation

CRYO RECOVERY

PLACE ORDER

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

Overview

Also Known As: spasmodic
These mice carry a spontaneous mutation at the Glra1 locus characterized by rapid tremors, stiff posture, and difficulty in righting themselves.
### Genetic Background

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<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Spontaneous</td>
<td>a</td>
<td>nonagouti</td>
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</tbody>
</table>

### Glra1<sup>spd</sup>

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Spontaneous</td>
<td>Gira1</td>
<td>glycine receptor, alpha 1 subunit</td>
</tr>
</tbody>
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### RESEARCH APPLICATIONS

- Neurobiology Research
- Mouse/Human Gene Homologs
- Cell Biology Research

### BASE PRICE

Starting at:

- $2,854.50 Domestic price Cryo Recovery

### Details

#### Detailed Description

Mice homozygous for the spasmodic spontaneous mutation (Glia<sup>1<sub>spd</sub></sup>) have rapid tremors, stiff posture, and difficulty in righting themselves. No differences have been observed in the levels of major CNS or PNS myelin proteins or lipids. As with the spastic mutation (Glr<sup>b<sub>sox</sub></sup>) of the mouse, aminooxyacetic acid improves the behavioral abnormalities in spasmodic mice, but, unlike in spastic mice, no changes in the postsynaptic receptors for glycine, GABA or benzodiazepines have been observed.

### Control Suggestions

### Selected References

### Genetics

### a
Genotyping Protocols
Genotyping resources and troubleshooting

Breeding Considerations
Homozygous males do not breed. When maintaining a live colony, heterozygous mice may be bred together or to wildtype mice from the colony.

Additional Breeding and Husbandry Support

Appearance
black, tremors
Related Genotype: a/a Glra<sup>spd</sup>/Glra<sup>spd</sup>

black, unaffected
Related Genotype: a/a +/? or a/a Glra<sup>spd</sup>/+  

Citation
When using the a/a Gla<sup>spd</sup> mouse strain in a publication, please cite the following article(s) and include JAX stock #001278 in your Materials and Methods section:

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.
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.

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

Terms of Use
General Terms and Conditions

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

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Consistent with the requirement for a written understanding regarding animal care and use, the JACKSON Animal Care and Use Committee will review the animal care and use protocol(s) associated with any SERVICES to be performed at JACKSON, and JACKSON shall have ultimate responsibility and authority for the care of animals while on site or in JACKSON custody.

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