

**C57BL/6J-Grid2<sup>ho-17J</sup> /J**Stock No: **005718** | hotfoot 17 Jackson **Coisogenic, Spontaneous Mutation**

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

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*The Jackson Laboratory cannot guarantee that cryorecovery of strains from the discontinued NIH-funded Neuroscience Mutagenesis Facility (NMF) will be successful or that the anticipated phenotype or genotype will be obtained. The cryorecovery fee for this effort will not be refunded or prorated if the recovery is unsuccessful or is in any way unsatisfactory. Genotyping will be the responsibility of the Purchaser.*

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## GENETIC OVERVIEW

**Genetic Background****Generation***Grid2<sup>ho-17J</sup>***Alele Type**

Spontaneous

**Gene Symbol***Grid2***Gene Name**

glutamate receptor, ionotropic, delta 2

[VIEW GENETICS](#)

## RESEARCH APPLICATIONS

Neurobiology Research

[VIEW ALL RESEARCH APPLICATIONS](#)**BASE PRICE**

Starting at:

\$2,854.50 Domestic price Cryo Recovery

V I E W   P R I C E   L I S T

## Details

### Detailed Description

The mutants show body tremor at rest and during movement, and intense trunk swaying, which can impair their ability to stand up-right on their hind limbs. They move around quite well, but draw their hind limbs high and close to their body when walking. This phenotype becomes visible at approximately 4 weeks of age (average 3.8 +/-0.53 weeks; n=41). Complementation analysis with *Grid2*<sup>ho-15J</sup> (Stock No. 005344; heterozygous x heterozygous matings) resulted in 11 affected mice in a total of 54 progeny demonstrating that nmf408 represents an allele of *Grid2*. Standard pathology work-up on one mutant (32 days of age) revealed no abnormalities. The mutants breed well and a colony can be maintained through regular breeding.

### Development

### Control Suggestions

## Genetics

### *Grid2*<sup>ho-17J</sup>

## Disease/Phenotype

### Disease Terms

### Research Areas By Phenotype

### Mammalian Phenotype Terms by Genotype

### References

## Technical Support

C O N T A C T   T E C H N I C A L   S U P P O R T

### Genotyping Protocols

[Genotyping resources and troubleshooting](#)

### Citation

When using the hotfoot 17 Jackson mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #005718 in your Materials and Methods section.

### Animal Health Reports

[Facility Barrier Level Descriptions](#)

*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.

## Domestic | International

Pricing effective for USA, Canada and Mexico shipping destinations

### CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
<a href="#">Cryo Recovery</a>	Unknown for Grid2<ho-17J>	\$2,854.50

## 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. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

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### LICENSING INFORMATION

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Email: [TechTran@jax.org](mailto:TechTran@jax.org)

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All

By Allele

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By Collection





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