

B6.129(Cg)-Homer2^{tm1Mhd}/PfwJ

Stock No: 023313

 Congenic, Targeted Mutation

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

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Paul Worley, Johns Hopkins University School of Medic

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GENETIC OVERVIEW

Genetic Background

Generation

Homer2^{tm1Mhd}

Allele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Homer2

homer scaffolding protein 2

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description

These *Homer2* KO mice have a neomycin cassette inserted into exon 3 of homer homolog 2 (*Homer2*) gene, abolishing gene expression. HOMER2 is a postsynaptic density scaffolding protein expressed in the central nervous system, as well as skeletal muscle, where it mediates the formation of large macromolecular complexes and regulates group 1 metabotropic glutamate receptor function. Mice that are homozygous for this allele are viable and fertile. These mice avoid drinking high concentrations of ethanol (EtOH) and do not develop place preference or locomotor sensitization after administration. They display an increase in sensitivity to cocaine-induced locomotion and conditioned reward. They do not display any abnormalities in cognitive, motivational or emotional processing.

Development

Control Suggestions

Selected References

Genetics

Homer2^{tm1Mhd}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols

Standard PCR:[Homer2-Alternate 1](#)

Standard PCR:[Generic Neo](#)

Probe:[Generic Neo](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, homozygous mice may be bred together.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.129(Cg)-*Homer2*^{tm1Mhd}/PfwJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #023313 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
Cryo Recovery	Heterozygous or wild-type for <i>Homer2</i> <tm1Mhd>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6.129(Cg)- <i>Homer2</i> <tm1Mhd>/PfwJ	\$2595.00
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