Overview

Also Known As: Crhr2-

Male mice lacking expression of corticotropin releasing hormone receptor 2 (Crhr2) exhibit enhanced anxious behavior in several tests of anxiety. Female targeted mutant mice do not show this increase of anxiety-like behavior.

Donating Investigator

Michael Geoff Rosenfeld, University of California, San Diego
Male mice lacking expression of corticotropin releasing hormone receptor 2 (Crhr2) exhibit enhanced anxious behavior in several tests of anxiety, including the elevated plus-maze test and the dark-light emergence task. Female targeted mutant mice do not show this increase of anxiety-like behavior. Mice show impaired responses in specific brain regions involved in emotional and autonomic function as monitored by a reduction of Creb phosphorylation in male, but not female, homozygous targeted mice. Male and female deficient animals display a larger edema response in response to thermal injury than do their wild-type littermates.
Genotyping Protocols
Standard PCR: Crhr2<sup>tm1.Jsp</sup>
Genotyping resources and troubleshooting

Breeding Considerations
When maintained as a live colony, homozygotes or heterozygotes may be bred. Repeated backcrosses to C57BL/6 may contribute to a reduced recovery of homozygotes.

Additional Breeding and Husbandry Support

Citation
When using the Crhr2 mouse strain in a publication, please cite the originating article(s) and include JAX stock #010842 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
Cryo Recovery
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.

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<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Frozen Mouse Embryo</td>
<td>B6;129-Crhr2&lt;tm1Jsp&gt;/J</td>
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Related Strains

- All
- By Allele
- By Gene
- By Collection

All Related Strains