B6.129X1(Cg)-Csf3r<sup>tm1Link</sup>/J

Stock No: 017838 | G-CSFR-

Congenic, Targeted Mutation

CRYO RECOVERY

REQUEST CRYORECOVERY

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

Also Known As: G-CSFR-

These Csf3r knockout mice are useful for studying granulopoiesis and hematopoietic stem cell regulation.

Donating Investigator

Daniel C. Link, Washington University Medical School

READ MORE +

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>Csf3r&lt;sup&gt;tm1Link&lt;/sup&gt;</td>
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<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tr>
<td>Targeted (Null/Knockout)</td>
<td>Csf3r</td>
<td>colony stimulating factor 3 receptor (granulocyte)</td>
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VIEW GENETICS

RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research
Apoptosis Research
Cell Biology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

$2,995.00 Domestic price C cryo Recovery
A neo cassette replaces exons 3-8 of the endogenous colony stimulating factor 3 receptor (Csf3r) gene, abolishing gene function. Homozygotes are viable and fertile. CSF3R is the transmembrane receptor for colony stimulating factor 3 (G-CSF), a cytokine that controls the production, differentiation, and function of granulocytes. Expressed in precursor cells in the bone marrow, CSF3R also initiates the maturation of granulocytes. These mice contain a decreased number of circulating neutrophils. They also exhibit a 50% decrease of mature myeloid cells, metamyelocytes, and hematopoietic stem cells, and granulocytes in bone marrow. Neutrophils from these mice display impaired chemotaxis in response to G-CSF and Interleukin 8 (IL8). Increased apoptosis is evident in cultured bone marrow derived mononuclear cells.
Breeding Considerations
When maintaining a live colony, homozygous mice may be bred together. Homozygous mice are produced at a reduced Mendelian ratio (~10%) from heterozygous matings.
Additional Breeding and Husbandry Support

Citation
When using the G-CSFR- mouse strain in a publication, please cite the originating article(s) and include JAX stock #017838 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.

<table>
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<tr>
<th>Domestic</th>
<th>International</th>
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<tr>
<td>Pricing effective for USA, Canada and Mexico shipping destinations</td>
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<tr>
<th>Cryorecovery - Domestic Pricing</th>
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<tr>
<td>SERVICE</td>
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<tr>
<td>Cryo Recovery</td>
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</table>

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.

Related Products and Services

| Frozen Mouse Embryo | $2,595.00 per straw or vial |

Payment Terms and Conditions
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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.

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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.

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Terms of Use

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

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By Allele

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TOMORROW’S CURES