



# 129 f n g r <sup>tm1</sup> / J

Stock No: 002702 | IFN- $\gamma$ R<sup>0</sup>

Targeted Mutation



CRYO RECOVERY

P L A C E   O R D E R

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

## Overview

### Also Known As: IFN- $\gamma$ R<sup>0</sup>

Mice homozygous for the *lfngr1*<sup>tm1</sup> knock-out mutation have normal T cell responses but are defective in natural resistance, evidenced by an increased susceptibility to infection by *Listeria monocytogenes* and vaccinia virus. Mouse mutants involving this gene have been used in studies of Zika virus pathogenesis. Note: these mice carry the same allele as 'G129' mice.

### Donating Investigator

Dr. Michel Aguet, EPFL, Ecole polytechnique fédérale de Lausanne

R E A D   M O R E   +

## GENETIC OVERVIEW

Genetic Background

Generation

*Ifngr1<sup>tm1Agt</sup>*

Allele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

*Ifngr1*

interferon gamma receptor 1

[VIEW GENETICS](#)

## RESEARCH APPLICATIONS

Cancer Research

Immunology, Inflammation and Autoimmunity Research

[VIEW ALL RESEARCH APPLICATIONS](#)

## BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

[VIEW PRICE LIST](#)

### Details

#### Detailed Description

Mice homozygous for the *Ifngr1<sup>tm1Agt</sup>* targeted mutation are viable and fertile with no overt abnormalities. They have normal T cell responses but are defective in natural resistance, evidenced by an increased susceptibility to infection by *Listeria monocytogenes*; and vaccinia virus.

#### Development

#### Control Suggestions

### Genetics

#### *Ifngr1<sup>tm1Agt</sup>*

### Disease/Phenotype

+ Disease Terms

+ Research Areas By Genotype

+ Mammalian Phenotype Terms by Genotype

+ References

- Technical Support

CHAT OFFLINE

CONTACT TECHNICAL SUPPORT

## Genotyping Protocols

Standard PCR: [Ifngr1<sup>tm1Agt</sup>](#)

[Genotyping resources and troubleshooting](#)

## Breeding Considerations

This strain is maintained by homozygous sibling matings. Expected coat color from breeding: White Bellied Agouti

[Additional Breeding and Husbandry Support](#)

## Appearance

white-bellied agouti

Related Genotype:  $A^w/A^w$

## Citation

When using the JEN-y<sup>0</sup> mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002702 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       | GENOTYPE   | PRICE      |
|---------------|--|------------|
| Cryo Recovery | Homozygous for <a href="#">fng1&lt;tm1Agt&gt;</a> , 1 pair minimum | \$2,854.50 |

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.

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## Terms Of Use

### Terms of Use

[General Terms and Conditions](#)

Q U E S T I O N S   A B O U T   T E R M S   O F   U S E

### Additional Use Restrictions Apply

[Notice regarding distribution of this strain.](#)

### Licensing Information

Phone: 207-288-6470

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

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