

B6;129P2-Fc ϵ 1g^{tm1Rav}/J

Stock No: **002847** | FcRg-

 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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Donating Investigator

Dr. Jeffrey V. Ravetch, Memorial Sloan Kettering Cancer Center

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GENETIC OVERVIEW

Genetic Background

Generation

Fc ϵ 1g^{tm1Rav}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Fc ϵ 1g

Gene Name

Fc receptor, IgE, high affinity I, gamma polypeptide

VIEW GENETICS

RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity 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

Mice homozygous for the *Fcgr1g*^{tm1Rav} targeted mutation are viable and fertile. Immune system defects include: inability to phagocytose Ab-coated particles despite normal binding, defective NK cell-mediated Ab-dependent cytotoxicity and mast cell-mediated allergic responses. T cell development is normal. Inflammatory response to immune complexes is attenuated (lack of Arthus response). Homozygotes are completely resistant to experimental immune thrombocytopenia induced by mouse anti-platelet antibodies.

Development

Control Suggestions

Selected References

Genetics

Fcgr1g^{tm1Rav}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR:[Fcer1g](#)

Standard PCR:[Fcer1galternate1](#)

[Genotyping resources and troubleshooting](#)

Appearance

pink-eyed grey

Related Genotype: *Oca2^o / Oca2^o*

black

Related Genotype: *a/a*

Citation

When using the FcRg- mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002847 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 Wildtype for Fcer1g<tm1Rav>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6;129P2-Fcer1g<tm1Rav>/J	\$2595.00
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LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

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