Resource Summary Report

Generated by NIF on Aug 28, 2026

B6.129P2-Fcer1g^{tm1Rav} N12

RRID:IMSR_TAC:583
Type: Organism

Proper Citation

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Organism Information

URL: http://www.taconic.com/transgenic-mouse-model/fcer1g-fcrgamma-model-583

Proper Citation: RRID:IMSR_TAC:583

Description: Mus musculus with name B6.129P2-Fcer1g^{tm1Rav} N12 from IMSR.

Species: Mus musculus

Synonyms: B6.129P2-Fcer1g/Tac. Fcer1g (FcRgamma) CONSTITUTIVE KNOCK OUT - C57BL/6 Background

Notes: gene symbol note: Fc receptor; IgE; high affinity I; gamma polypeptide; mutant strain|congenic strain: Fcer1g

Affected Gene: Fc receptor; IgE; high affinity I; gamma polypeptide

Genomic Alteration: targeted mutation 1; Jeffrey V Ravetch

Catalog Number: TAC:583

Database: Taconic Biosciences

Database Abbreviation: TAC

Availability: live

Organism Name: B6.129P2-Fcer1g^{tm1Rav} N12

Record Creation Time: 20250513T053518+0000

Record Last Update: 20260815T050426+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Fcer1g^{tm1Rav} N12.

No alerts have been found for B6.129P2-Fcer1g^{tm1Rav} N12.

Data and Source Information

Source: Integrated Animals

Source Database: Taconic Biosciences

Usage and Citation Metrics

We found 19 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Kelchtermans L, et al. (2026) CD4+ T cell-mediated immunity protects from VSV-SUD lethal challenge in a mouse model of Sudan virus infection. Nature immunology, 27(6), 1224.

Van Wagoner CM, et al. (2026) Complement-mediated ADCP as a distinct and finite cytotoxic mechanism of monoclonal antibodies. Frontiers in immunology, 17, 1788948.

Slein MD, et al. (2024) Effector functions are required for broad and potent protection of neonatal mice with antibodies targeting HSV glycoprotein D. Cell reports. Medicine, 5(2), 101417.

Case JB, et al. (2024) A trivalent mucosal vaccine encoding phylogenetically inferred ancestral RBD sequences confers pan-Sarbecovirus protection in mice. Cell host & microbe, 32(12), 2131.

Lama JK, et al. (2022) Blocking the inhibitory receptor programmed cell death 1 prevents allergic immune response and anaphylaxis in mice. The Journal of allergy and clinical immunology, 150(1), 178.

Borriello F, et al. (2022) An adjuvant strategy enabled by modulation of the physical properties of microbial ligands expands antigen immunogenicity. Cell, 185(4), 614.

Kim AS, et al. (2021) Pan-protective anti-alphavirus human antibodies target a conserved E1 protein epitope. Cell, 184(17), 4414.

Burns JC, et al. (2020) Differential accumulation of storage bodies with aging defines discrete subsets of microglia in the healthy brain. eLife, 9.

Nelson NLJ, et al. (2019) Fc? receptors and toll-like receptor 9 synergize to drive immune complex-induced dendritic cell maturation. Cellular immunology, 345, 103962.

Swidergall M, et al. (2019) EphA2 Is a Neutrophil Receptor for Candida albicans that Stimulates Antifungal Activity during Oropharyngeal Infection. Cell reports, 28(2), 423.

Le TT, et al. (2016) IL-1 Contributes to the Anti-Cancer Efficacy of Ingenol Mebutate. PloS one, 11(4), e0153975.

Wüthrich M, et al. (2015) Fonsecaea pedrosoi-induced Th17-cell differentiation in mice is fostered by Dectin-2 and suppressed by Mincle recognition. European journal of immunology, 45(9), 2542.

Sack BK, et al. (2015) Mechanisms of stage-transcending protection following immunization of mice with late liver stage-arresting genetically attenuated malaria parasites. PLoS pathogens, 11(5), e1004855.

Petro C, et al. (2015) Herpes simplex type 2 virus deleted in glycoprotein D protects against vaginal, skin and neural disease. eLife, 4.

Poo YS, et al. (2014) Multiple immune factors are involved in controlling acute and chronic chikungunya virus infection. PLoS neglected tropical diseases, 8(12), e3354.

Cao S, et al. (2012) The gamma chain subunit of Fc receptors is required for alpha-synuclein-induced pro-inflammatory signaling in microglia. Journal of neuroinflammation, 9, 259.

Hashimoto D, et al. (2011) Pretransplant CSF-1 therapy expands recipient macrophages and ameliorates GVHD after allogeneic hematopoietic cell transplantation. The Journal of experimental medicine, 208(5), 1069.

Cao S, et al. (2010) Fc? receptors are required for NF-?B signaling, microglial activation and dopaminergic neurodegeneration in an AAV-synuclein mouse model of Parkinson's disease. Molecular neurodegeneration, 5, 42.

Rittirsch D, et al. (2009) Cross-talk between TLR4 and FcgammaReceptorIII (CD16) pathways. PLoS pathogens, 5(6), e1000464.