

Recombinant Mouse Fcgr4 Protein

Cat. No. Fcgr4-548M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fcgr4 protein without tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	261
Description	Enables IgE receptor activity and IgG receptor activity. Involved in neutrophil activation and positive regulation of bone resorption. Located in cell surface. Is expressed in liver. Human ortholog(s) of this gene implicated in several diseases, including allergic disease (multiple); autoimmune disease (multiple); glomerulonephritis (multiple); hematologic cancer (multiple); and immunodeficiency 20. Orthologous to human FCGR3A (Fc fragment of IgG receptor IIIa) and FCGR3B (Fc fragment of IgG receptor IIIb).
Form	Lyophilized
AA Sequence	MFQNAHSGSQWLLPPLTILLFFAFADRQSAALPKAVVKLDPPWIQVLKEDMVTLMCE GTHNPGNSSTQWFHNGRSVRSQVQASYTFKATVNDSGEYRCQMEQTRLSDPVDL GVISDWLLLQTPQRFLEGETITLRCHSWRNKLLNRISFFHNEKSVRYHHYKSNFSIP KANSHSHSGDYCYCKGSLGSTQHQSHPVTITVQDPATTSSISLVWYHTAFSLVMCLLFA VDTGLYFYVRRNLQTPREYWRKSLRKRQAPQDK
Purity	> 98%

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Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	Fcgr4 Fc receptor, IgG, low affinity IV [Mus musculus (house mouse)]
Official Symbol	Fcgr4
Synonyms	FCGR4; Fc receptor, IgG, low affinity IV; Fc gammaRIV; Fc receptor-like 3; Fc fragment of IgG, low affinity IIIa, receptor for (CD16); Fc fragment of IgG, low affinity III, receptor for (CD16); Fcrl3; CD16-2; FcgrIV; Fcgr3a; FcgammaRIV; 4833442P21Rik;
Gene ID	246256
mRNA Refseq	NM_144559

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Protein Refseq NP_653142

UniProt ID A0A0B4J1G0

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