

Recombinant Mouse Fcgr1 Protein

Cat. No. Fcgr1-541M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fcgr1 protein without tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	404
Description	Enables IgG binding activity and IgG receptor activity. Acts upstream of or within several processes, including antibody-dependent cellular cytotoxicity; endocytosis; and positive regulation of hypersensitivity. Located in external side of plasma membrane. Is expressed in liver. Orthologous to several human genes including FCGR1A (Fc gamma receptor 1a).
Form	Lyophilized
AA Sequence	MILTSFGDDMWLLTLLLLWVPVGGEVFNATKAVITLQPPWVSIFQKENVTWCEGPH LPGDSSTQWFINGTAVQISTPSYSIPEASFQDSGEYRCQIGSSMPSPVQLQIHNDW LLLQASRRVLTEGEPLALRCHGWKNKLVYNVVFYRNGKSFQFSSDSEVAILKTNLSH SGIYHCSGTGRHRYTSAGVSITVKELFTTPVLRASVSSPFPEGSLVTLNCETNLLLQR PGLQLHFSFYVGSKILEYRNTSSEYHIARAEREDAGFYWCEVATEDSSVLKRSPLE LQVLGPQSSAPVWFHILFYLSVGIMFSLNTVLYVKIHLRLQREKKYNLEVPLVSEQGKK ANSFQQVRSDGVYEEVTATASQTTPKEAPDGPRSSVGDCGPEQPEPLPPSDSTGA QTSQS

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Purity	> 98%
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	Fcgr1 Fc receptor, IgG, high affinity I [Mus musculus (house mouse)]
Official Symbol	Fcgr1
Synonyms	FCGR1; Fc receptor, IgG, high affinity I; high affinity immunoglobulin gamma Fc receptor I; fcRI; fc-gamma RI; igG Fc receptor I; IgG high affinity Fc receptor; CD64; IGGHAFC; AI323638; AV092959; FcgammaRI;
Gene ID	14129

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mRNA Refseq	NM_010186
Protein Refseq	NP_034316
UniProt ID	P26151

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