

Recombinant Human FCGR3B Protein

Cat. No. FCGR3B-550H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human FCGR3B protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	233
Description	The protein encoded by this gene is a low affinity receptor for the Fc region of gamma immunoglobulins (IgG). The encoded protein acts as a monomer and can bind either monomeric or aggregated IgG. This gene may function to capture immune complexes in the peripheral circulation. Several transcript variants encoding different isoforms have been found for this gene. A highly-similar gene encoding a related protein is also found on chromosome 1.
Form	Lyophilized
AA Sequence	MWQLLLPTALLLLVSAGMRTE ₁ LPKAVVFLEPQWYSVLEKDSVTLK ₂ CQGAYSPEDN STQWFHNESLISSQASSYFIDAATVND ₃ SGEYRCQTNLSTLSDPVQLEVHIGWLLLQA PRWVFKEEDPIHLRCHSWKNTALHKV ₄ TYLQNGKDRKYFHHNSDFHIPKATLKDSGS YFCRGLVGSKNVSSETVNITITQGLAVSTISSFSPPGYQV ₅ SFCLVMVLLFAVDTGLYF SVKTNI
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	FCGR3B Fc fragment of IgG, low affinity IIIb, receptor (CD16b) [Homo sapiens (human)]
Official Symbol	FCGR3B
Synonyms	FCGR3B; Fc fragment of IgG, low affinity IIIb, receptor (CD16b); Fc fragment of IgG, low affinity IIIb, receptor for (CD16) , FCG3, FCGR3; low affinity immunoglobulin gamma Fc region receptor III-B; CD16; CD16b; fc-gamma RIII; fc-gamma RIIIb; fc-gamma RIII-beta; igG Fc receptor III-1; Fc-gamma receptor IIIb (CD 16); Fc fragment of IgG, low affinity IIIb, receptor for (CD16); FCG3; FCGR3; FCR-10; FCRIII; FCRIIIb;
Gene ID	2215

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mRNA Refseq	NM_000570
Protein Refseq	NP_000561
MIM	610665
UniProt ID	O75015

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