

Recombinant Human FCGR3B, His-tagged, Biotinylated

Cat. No. FCGR3B-260H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FCGR3B /CD16b Protein, Biotinylated (Biotinylated FCGR3B / CD16b) Gly 17 - Ser 200, was labeled with biotin based on rhCD16b Protein, which was produced in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	17-200 a.a.
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 from 0.22 µm filtered solution in PBS, pH7.4. Normally Trehalose are added as protectants before lyophilization.
Molecular Mass	Biotinylated FCGR3B / CD16b, fused with 6×His tag at the C-terminus, has a calculated MW of 21.7 kDa. The predicted N-terminus is Gly 17. DTT-reduced Protein migrates as 38-50 kDa due to glycosylation.
Endotoxin	Less than 1.0 EU per µg of the Biotinylated FCGR3B / CD16b by the LAL method.

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Purity	>95% as determined by reduced SDS-PAGE.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).
Conjugation	Biotin
GENE INFORMATION	
Gene Name	FCGR3B Fc fragment of IgG, low affinity IIIb, receptor (CD16b) [Homo sapiens]
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
mRNA Refseq	NM_000570
Protein Refseq	NP_000561
MIM	610665
UniProt ID	O75015
Chromosome	1q23

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Location	
Pathway	Leishmaniasis, organism-specific biosystem; Leishmaniasis, conserved biosystem; Natural killer cell mediated cytotoxicity, organism-specific biosystem; Natural killer cell mediated cytotoxicity, conserved biosystem; Osteoclast differentiation, organism-specific biosystem; Osteoclast differentiation, conserved biosystem; Phagosome, organism-specific biosystem;
Function	IgG binding; receptor activity;

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