

CD16b (FcγR3b) Recombinant Protein | CD16 recombinant protein

Human CD16b Recombinant (FcγR3b)

CATALOG #	HOST
AAA76075	HEK293 Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

PRODUCT SYNONYMS

CD16b (FcγR3b); Human CD16b Recombinant (FcγR3b); Human CD16b Recombinant (FcγR3b) ; cd16; cd-16; CD16 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant CD16b is supplied as a lyophilized 0.2 um filtered PBS solution, pH7.4 containing 5% trehalose.
Sequence Length	233
Domain	Ig-like C2
Host Note	Optimized DNA sequence encoding Human extracellular domain of human CD16b including a C-terminal 6His tag was expressed in HEK293 cells.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL.
Molecular Weight Note	Recombinant CD16b is a monomer protein consisting of 195 amino acid residue subunits, due to glycosylation migrates as an approximately 50 kDa protein on SDS-PAGE.
Preparation and Storage	Recombinant CD16b, as supplied, can be stored in working aliquots at 2 degree - 8 degree C for one month, or at -20 degree to -70 degree C for twelve months. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for CD16 recombinant protein	Human CD16 is encoded by two genes, FcγRIIIA and FcγRIIIB. FcγRIIIa is a transmembranous isoform of the receptor expressed on the surface of natural killer (NK) cells, macrophages, a subset of monocytes and of T cells in association with dimers of the γ-chain of FcγRI and/or γ-chain of T-cell receptors. FcγRIIIB is a glycosylphosphatidylinositol -anchored isoform restricted to neutrophils. FcγRIII plays a significant role in the clearance of immune complexes, antibody- dependent cellular cytotoxicity of K/NK cells, phagocytosis and antigen presentation.
Product Categories/Family for CD16 recombinant protein	Receptors CD
References	human basophils express the glycosylphosphatidylinositol-anchored low-affinity igg receptor fcγriiib (CD16b) .J. Immunol., Feb 2009; 182: 2542 - 2550.

NCBI AND UNIPROT INFORMATION

NCBI GI #	132814489
NCBI GeneID	2215

NCBI Accession #	NP_000561.3
NCBI GenBank Nucleotide #	NM_000570.4
UniProt Accession #	O75015 ; Q9ULV2 ; Q9UPY7
Molecular Weight	26,216 Da
NCBI Official Full Name	low affinity immunoglobulin gamma Fc region receptor III-B isoform 2
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor III-B
UniProt Gene Name	FCGR3B
UniProt Synonym Gene Names	CD16B; FCG3; FCGR3; IGFR3; Fc-gamma RIII; Fc-gamma RIIIb; FcRIII; FcRIIIb
UniProt Entry Name	FCG3B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/fcgr3b-recombinant-protein-hek293/76075>