

CD32b (FcγR2b) Active Protein | CD32 active protein

Human CD32b Recombinant (FcγR2b)

CATALOG #	HOST
AAA76086	HEK293 Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

PRODUCT SYNONYMS

CD32b (FcγR2b); Human CD32b Recombinant (FcγR2b); Human CD32b Recombinant (Fcγ RIIB) ; Human CD32b Recombinant (Fcγgamma RIIB) ; cd32; cd-32; fcgr3a; CD32 active 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 CD32b is supplied as a lyophilized 0.2 um filtered PBS solution, pH7.2.
Sequence Length	217
Host Note	Optimized DNA sequence encoding Human extracellular domain of human CD32b including a C-terminal 6His tag was expressed in HEK293 cells.
Biological Activity	The activity was determined by the ability to bind human IgG2 with a linear range of 0.1-6 ug/ml
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 CD32b is a monomer protein consisting of 183 amino acid residue subunits, due to glycosylation migrates as an approximately 30 kDa protein on SDS-PAGE.
Preparation and Storage	Recombinant CD32b, as supplied, can be stored in working aliquots at 2 degree - 8 degree C for one month, or at - 20 degree C to -70 degree C for twelve months. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for CD32 active protein	Human CD32B (FcγRIIB), the low-affinity inhibitory Fcγ receptor (FcγR), is highly homologous in its extracellular domain to CD32A (FcγRIIA), an activating FcγR. CD32B is coexpressed with activating Fc receptors on monocytes, macrophages, basophils and mast cells. CD32B is also expressed by B lymphocytes, the sole FcγR expressed by these cells, where it functions by countering B- cell receptor (BCR) -induced activation.
Product Categories/Family for CD32 active protein	Receptors CD
References	• CD32b expression reflects phenotypic and functional heterogeneity in multiple myeloma (mm) .<i>Blood</i> (ASH Annual Meeting Abstracts), Nov 2008; 112: 842. • CD32b is highly expressed on clonal plasma cells from patients with systemic light-chain amyloidosis and provides a target for monoclonal antibody-based therapy .<i>Blood</i>, Apr 2008; 111: 3403 - 3406. • an fc-optimized monoclonal antibody against CD32b, the human inhibitory fc- receptor iib, in the immunotherapy of b-cell malignancy. .<i>Blood</i> (ASH Annual Meeting Abstracts), Nov 2006; 108: 2529. • CD32b on clonal plasma cells in systemic light-chain amyloidosis (al) and multiple myeloma (mm) : a target for immunotherapy in both disorders and a prognostic marker in mm. .<i>Blood</i> (ASH Annual Meeting Abstracts), Nov 2006; 108: 3489.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50511932
NCBI GeneID	2213
NCBI Accession #	NP_001002273.1
NCBI GenBank Nucleotide #	NM_001002273.2
UniProt Accession #	P31994; O95649; Q53X85; Q5VXA9; Q8NIA1; A6H8N3; Q8IU78; Q8IU79; Q8IXE8; Q8IXE9; Q8NIA0
NCBI Official Full Name	low affinity immunoglobulin gamma Fc region receptor II-b isoform 2
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor II-b
UniProt Gene Name	FCGR2B
UniProt Synonym Gene Names	CD32; FCG2; IGFR2; IgG Fc receptor II-b; Fc-gamma-RIIb; FcRII-b
UniProt Entry Name	FCG2B_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://stage.aaabiotech.com/hek293-cells-host-protein-expression-may-be-lot-specific-and-can-be-subject-to-change-during-production-including-bulk-orders-cd32-active-protein/cd32b-fcgr2b/76086>