

Fc gamma RIIB/CD32b Active Protein | FcgammaRIIB/CD32b active protein

Recombinant human Fc gamma RIIB/CD32b protein

CATALOG # AAA49000	HOST HEK293	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

Fc gamma RIIB/CD32b; Recombinant human Fc gamma RIIB/CD32b protein; Low affinity immunoglobulin gamma Fc region receptor II-b isoform3; IgG Fc receptor II-b; CDw32; Fc-gamma RII-b; Fc-gamma-RIIb; FcRII-b; CD32; FCGR2B; FCG2; IGFR2; Fc fragment of IgG; low affinity II; low affinity IIB; Low affinity immunoglobulin gamma Fc region receptor II-c; IgG Fc receptor II-c; Fc-gamma RII-c; Fc fragment of IgG receptor IIB; Fc-gamma-RIIc; Fc gamma RIIB; CD32B; FcgammaRIIB; FCGR2; FCGR2C; FcGRIIB; FcRII-c; FcgammaRIIB/CD32b active protein

PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in. Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	1mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	46-217aa
Sequence	Ala46 A PPKAVLKLEP QWINVLQEDS VTLTCRGTHS PESDSIQWFH NGNLIPTHTQ PSYRFKANNN DSGEYTCQTG QTSLSDPVHL TVLSEWLVQL TPHELFQEGE TIVLRCHSWK DKPLVKVTFQ QNGKSKKFSR SDPNFSIPQA NHSHSGDYHC TGNIGYTLYS SKPVTITVQA P
Applicable Applications for FcgammaRIIB/CD32b active protein	Bioactivity, SDS-PAGE
Species	Human
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Tag	His-Tag
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

ADDITIONAL INFORMATION

Related Product Information for FcgammaRIIB/CD32b active protein	Fc gamma RIIB/CD32b, also known as FCGR2B, belongs to the Ig superfamily. It is a low-affinity receptor for the Fc region of immunoglobulins gamma that are complexed or aggregated. It participates in various effector and regulatory functions, such as phagocytosis of immune complexes and modulation of antibody production by B cells. Fc gamma RIIB/CD32b is expressed on B cells, monocytes, dendritic cells, neutrophils, mast cells, and basophils. When Fc gamma RIIB is ligated, it inhibits B cell expansion, plasma cell differentiation, production of autoimmune rheumatoid factors, and down-regulates TLR4 with reduced LPS responsiveness. Recombinant human Fc gamma RIIB/CD32b, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Product Categories/Family for FcgammaRIIB/CD32b active protein	Immunology ; Proteins
References	Van de Winkel, J. and P. Capes (1993) Immunol. Today 14:215-221. Raghaven, M. and P. Bjorkman (1996) Annu. Rev. Cell Dev. Biol. 12:181-220. Ravetch, J. and S. Bolland (2001) Annu. Rev. Immunol. 19:275-290.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50511926
NCBI GeneID	2213
NCBI Accession #	NP_001002274.1
NCBI GenBank Nucleotide #	NM_001002274.2
UniProt Accession #	P31994; O95649; Q53X85; Q5VXA9; Q8NIA1; A6H8N3
Molecular Weight	31,873 Da
NCBI Official Full Name	low affinity immunoglobulin gamma Fc region receptor II-b isoform 3
NCBI Official Synonym Full Names	Fc fragment of IgG receptor IIb
NCBI Official Symbol	FCGR2B
NCBI Official Synonym Symbols	CD32; FCG2; CD32B; FCGR2; IGFR2
NCBI Protein Information	low affinity immunoglobulin gamma Fc region receptor II-b
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-fcgmariib-cd32b-active-protein/fc-gamma-riib-cd32b/49000>