

CD32a / FCGR2A active protein

Recombinant Human CD32a/FCGR2A Protein (167 His) (His & AVI Tag)

CATALOG #
AAA173506

HOST
Human Cells

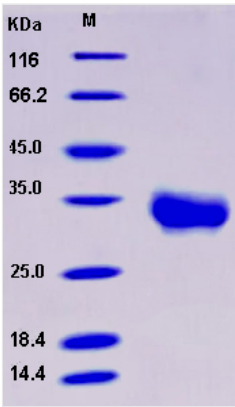
PRODUCT SYNONYMS

CD32a / FCGR2A; Recombinant Human CD32a/FCGR2A Protein (167 His) (His & AVI Tag); RP11-5K23.6; CD32; CD32A; CDw32; FCG2; FCGR2; FCGR2A; FCGR2A1; FcGR; IGFR2; MGC23887; MGC30032; CD32a / FCGR2A active protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	> 98 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5 % mannitol, 0.01%Tween80.
Sequence Length	317
Source	Human
Protein Construction	A DNA sequence encoding the extracellular domain (Met 1-Met 210) of human CD32a (P12318-1) was fused with a c-terminal polyhistidine tagged AVI tag at the C-terminus. It is identical to FCGR2A131H/R in the reference.
Bio Activity	Measured by its binding ability in a functional ELISA. Immobilized human CD32a-AVI(167 Arg/His) at 10?g/ml(100?l/well) can bind biotinylated human IgG1, The EC50 of biotinylated human IgG1 is 0.13-0.29ug/ml.
Predicted N terminal	Gln 34
Molecular Mass	The recombinant human CD32a consists of 213 amino acids after removal of the signal peptide and predicts a molecular mass of 23.6 KDa. It migrates as an approximately 32 KDa band due to glycosylation by SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per ug of the protein as determined by the LAL method.
Reconstitution	It is recommended that sterile water (200ul) be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Storage: Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted and be used as soon as possible. Avoid repeated freeze-thaw cycles. Stability: Samples are stable for up to twelve months from date of receipt at -70 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CD32a / FCGR2A active protein	IgG Fc receptors (FcγRs) play important roles in immune responses. Low affinity IgG Fc receptor Fc gamma RIIa (FCGR2A, CD32) is a cell surface receptor found on phagocytic cells such as macrophages and neutrophils, and is involved in the process of phagocytosis and clearing of immune complexes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	210031822
NCBI GeneID	2212
NCBI Accession #	NP_001129691.1
NCBI GenBank Nucleotide #	NM_001136219.1
UniProt Accession #	P12318; Q8WUN1; Q8WW64
NCBI Official Full Name	low affinity immunoglobulin gamma Fc region receptor II-a isoform 1
NCBI Official Synonym Full Names	Fc fragment of IgG receptor IIa
NCBI Official Symbol	FCGR2A
NCBI Official Synonym Symbols	CD32; FCG2; FcGR; CD32A; CDw32; FCGR2; IGFR2; FCGR2A1
NCBI Protein Information	low affinity immunoglobulin gamma Fc region receptor II-a
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor II-a
UniProt Gene Name	FCGR2A
UniProt Synonym Gene Names	CD32; FCG2; FCGR2A1; IGFR2; IgG Fc receptor II-a; Fc-gamma-RIIa; FcRII-a

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.