

Fc gamma RIIIA/CD16a Recombinant Protein | FcgammaRIIIA/CD16a recombinant protein

Recombinant human Fc gamma RIIIA/CD16a protein

CATALOG # AAA48428	HOST Baculovirus	APPLICATIONS SDS-Page
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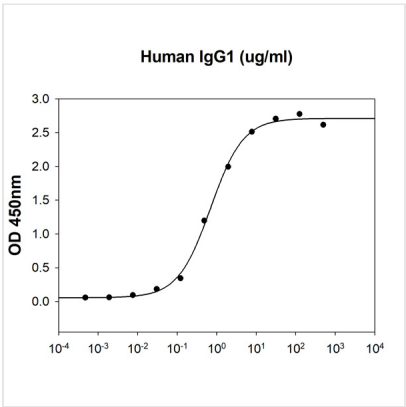
PRODUCT SYNONYMS

Fc gamma RIIIA/CD16a; Recombinant human Fc gamma RIIIA/CD16a protein; Low affinity immunoglobulin gamma Fc region receptor III-A; CD16; CD16A; FCG3; FCGR3; FCGRIII; FCR-10; FCRIII; FCRIIIA; IGFR3; IMD20; FcgammaRIIIA/CD16a recombinant protein

PRODUCT SPECIFICATIONS

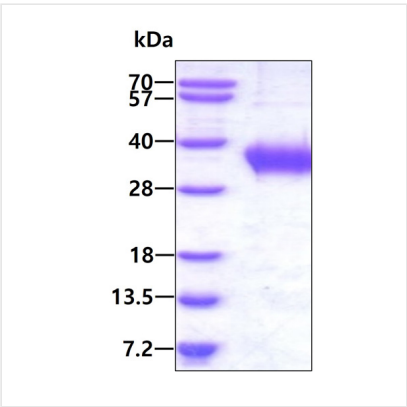
Host	Baculovirus
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Concentration	0.25mg/ml (determined by absorbance at 280nm) (varies by lot)
Sequence Positions	18-208aa
Sequence	MRTED LPKAVVFLEP QWYRVLEKDS VTLKCQGAYS PEDNSTQWFH NESLISSQAS SYFIDAATVD DSGEYRCQTN LSTLSDPVQL EVHIGWLLQ APRWVFKEED PIHLRCHSWK NTALHKVTYL QNGKGRKYFH HNSDFYIPKA TLKDSGSYFC RGLFGSKNVS SETVNITITQ GLAVSTISSF FPPGYQ
Applicable Applications for FcgammaRIIIA/CD16a recombinant protein	Bioactivity, SDS-PAGE
Species	Human
Tag	His-Tag
Predicted Nterm	Ala
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Bioactivity	Measured by its binding ability in a functional ELISA with Human IgG1 Fc.
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.

IMAGES



Bioactivity

MagnifyHuman Fc gamma RIIIA/CD16a is coated at 10 ug/ml (100 ul/well) can bind Human IgG1 Fc in a functional ELISA assay.



SDS-PAGE

Magnify3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for Fc gamma RIIIA/CD16a recombinant protein	FCGR3A, also known as low affinity immunoglobulin gamma Fc region receptor III-A, is a multifunctional, low or intermediate affinity receptor, which belongs to the immunoglobulin superfamily. It is expressed on human NK cells as an integral membrane glycoprotein anchored through a transmembrane peptide. It mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis. Recombinant human FCGR3A, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for Fc gamma RIIIA/CD16a recombinant protein	Immunology
References	Ravetch JV., et al. (1989) J Exp Med. 170:481-497.; Ferrara C., et al. (2011) Proc Natl Acad Sci U S A. 108:12669-12674.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P08637
Molecular Weight	22.8kDa (200aa)
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor III-A
UniProt Gene Name	FCGR3A
UniProt Synonym Gene Names	CD16A; FCG3; FCGR3; IGFR3; Fc-gamma RIII; Fc-gamma RIIIA; FcRIII; FcRIIIa
UniProt Entry Name	FCG3A_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/fcgr3a-recombinant-protein-baculovirus-bioactivity-sds-page/48428>