

Fc gamma RIIA/CD32a (R167H) Active Protein | FcgammaRIIA/CD32a active protein

Recombinant human Fc gamma RIIA/CD32a (R167H) protein

CATALOG # AAA48984	HOST HEK293	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

PRODUCT SYNONYMS

Fc gamma RIIA/CD32a (R167H); Recombinant human Fc gamma RIIA/CD32a (R167H) protein; Low affinity immunoglobulin gamma Fc region receptor II-a; IgG Fc receptor II-a; CDw32 Fc-gamma RII-a; Fc-gamma-RIIa; FcRII-a; CD32; FCGR2A; FCG2; FCGR2A1; IGFR2; CD32a; FCG2A; FcgammaRIIA/CD32a 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	30-218aa
Sequence	Ser30 S ADSQAAAPPK AVLKLEPPWI NVLQEDSVTL TCQGARSPE SSIQWFHNGN LIPTHTQPSY RFKANNND SG EYTCQTGQTS LSDPVHLTVL SEWLVLTQTPH LEFQEGETIM LRCHSWKDKP LVKVTFFQNG KSQKFSLDLP TFSIPQANHS HSGDYHCTGN IGYTLFSSKP VTITVQVPSM GSSSPMGI
Applicable Applications for FcgammaRIIA/CD32a 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 FcgammaRIIA/CD32a active protein	Fc gamma RIIA/CD32a, also known as Low affinity immunoglobulin gamma Fc region receptor II-a, are members of the Ig superfamily that function in the activation or inhibition of immune responses. Fc gamma RIIA is expressed on many immune cell types where inhibitory ITIM-bearing receptors may also be co-expressed and co-engaged by specific ligands. Signaling through Fc gamma RIIA results in the initiation of inflammatory responses that can be modulated by signals from the inhibitory receptors. The strength of the signal is dependent on the ratio of expression of the activating and inhibitory receptors. Besides IC, Fc gamma RII A also binds C-reactive protein (CRP) Two allelic variants of Fc gamma RIIA that differ in their ability to ligate human IgG2 or CRP exist. The R167H allele has been found to have a protective effect against lupus nephritis. Recombinant human Fc gamma RIIA/CD32a, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Product Categories/Family for FcgammaRIIA/CD32a active protein	Immunology ; Proteins
References	Ravetch, J.V. and S. Bolland (2001) Annu. Rev. Immunol. 19:275-290. Chi, M., et al. (2002) J. Immunol. 168:3697-3701. Zuniga. R., et al. (2003) Arthritis Rheum. 48:460.

NCBI AND UNIPROT INFORMATION

NCBI GI #	182474
NCBI GeneID	2212
UniProt Accession #	P12318; Q8WUN1; Q8WW64
Molecular Weight	34,930 Da
NCBI Official Full Name	IgG Fc fragment receptor
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
UniProt Entry Name	FCG2A_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/hek293-fcgmariia-cd32a-active-protein/fc-gamma-riia-cd32a-r167h/48984>