

# Recombinant Human Fc Fragment Of IgG, Low Affinity IIIa, Receptor (CD16a), His-tagged

Cat. No. FCGR3A-6942H Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant human FCGR3A protein, fused to His-tag at N-terminus, was expressed in E. coli.

**Species** Human

**Source** E.coli

**ProteinLength** 18-208aa

**Description** FCGR3A, also known as CD16A. This gene encodes a receptor for the Fc portion of immunoglobulin G, and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other antibody-dependent responses. FCGR3A requires association of the gamma subunit of Fc epsilon RI or the zeta subunit of the TCR-CD3 complex for cell surface expression.

**Form** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1M Urea, 10% glycerol.

**Molecular Mass** 26 kDa (228aa)

**AA Sequence**  
 MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMRT EDLPKAVVFL  
 EPQWYRVLEK DSVTLKCQGA YSPEDNSTQW FHNESLISSQ ASSYFIDAAT  
 VDDSGEYRCQ TNLSTLSDPV QLEVHIGWLL LQAPRWVFKE EDPIHLRCHS  
 WKNTALHKVT YLQNGKGRKY FHHNSDFYIP KATLKDSGSY FCRGLFGSKN  
 VSSETVNITI TQGLAVSTIS SFFPPGYQ

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<b>Purity</b>	>90% by SDS - PAGE
<b>Applications</b>	SDS-PAGE
<b>Storage</b>	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	FCGR3A Fc fragment of IgG, low affinity IIIa, receptor (CD16a) [ Homo sapiens ]
<b>Official Symbol</b>	FCGR3A
<b>Synonyms</b>	FCGR3A; Fc fragment of IgG, low affinity IIIa, receptor (CD16a); Fc fragment of IgG, low affinity IIIa, receptor for (CD16) , FCG3, FCGR3; low affinity immunoglobulin gamma Fc region receptor III-A; CD16; CD16a; FcgammaRIIIA; CD16a antigen; fc-gamma RIII; Fc-gamma RIIIa; Fc-gamma RIII-alpha; igG Fc receptor III-2; Fc gamma receptor III-A; Fc-gamma receptor IIIb (CD16); neutrophil-specific antigen NA; Fc-gamma receptor III-2 (CD 16); immunoglobulin G Fc receptor III; Fc fragment of IgG, low affinity III, receptor for (CD16); FCG3; CD16A; FCGR3; IGFR3; FCR-10; FCRIII; FCGRIII; FCRIIIA;
<b>Gene ID</b>	2214
<b>mRNA Refseq</b>	NM_000569
<b>Protein Refseq</b>	NP_000560
<b>MIM</b>	146740

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<b>UniProt ID</b>	P08637
<b>Chromosome Location</b>	1q23
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem; Immune System, organism-specific biosystem; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell, organism-specific biosystem; Leishmaniasis, organism-specific biosystem; Leishmaniasis, conserved biosystem;
<b>Function</b>	IgG binding; receptor activity;

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