

Recombinant Full Length Human FCGR3A Protein

Cat. No. FCGR3A-4760HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FCGR3A full-length ORF (AAH36723.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	423 amino acids
Description	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 other antibody-dependent responses. This gene (FCGR3A) is highly similar to another nearby gene (FCGR3B) located on chromosome 1. The receptor encoded by this gene is expressed on natural killer (NK) cells as an integral membrane glycoprotein anchored through a transmembrane peptide, whereas FCGR3B is expressed on polymorphonuclear neutrophils (PMN) where the receptor is anchored through a phosphatidylinositol (PI) linkage. Mutations in this gene have been linked to susceptibility to recurrent viral infections, susceptibility to systemic lupus erythematosus, and alloimmune neonatal neutropenia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Form	Liquid
Molecular Mass	32.6 kDa

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AA Sequence	MGGGAGERLFTSSCLVGLVPLGLRISLVTCPLQCGIMWQLLLPTALLLVSAGMRTE DLPKAVVFLEPQWYRVLEKDSVTLKCQGAYSPEDNSTQWFHNESLISSQASSYFIDA ATVDDSGEYRCQTNLSTLSDPVQLEVHIGWLLLQAPRWVFKEEDPIHLRCHSWKNT ALHKVTYLQNGKGRKYFHHNSDFYIPKATLKDSGSYFCRGLVGSKNVSSSETVNITIT QGLAVSTISSFFPPGYQVSFCLVMVLLFAVDTGLYFSVKTNIRSSTRDWKDHKFKWR KDPQDK
Applications	Antibody Production Functional Study Compound Screening
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	25 mM Tris-HCl of pH 8.0 containing 2% glycerol.
GENE INFORMATION	
Gene Name	FCGR3A Fc fragment of IgG, low affinity IIIa, receptor (CD16a) [Homo sapiens]
Official Symbol	FCGR3A
Synonyms	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;

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Gene ID	2214
mRNA Refseq	NM_000569
Protein Refseq	NP_000560
MIM	146740
UniProt ID	P08637

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