

Recombinant Human Fc Fragment Of IgG, High Affinity Ia, Receptor (CD64), His-tagged

Cat. No. FCGR1A-7166H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FCGR1A protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 33.8 kDa.
Species	Human
Source	E.coli
ProteinLength	16-292aa
Description	FCGR1A, also known as CD64, belongs to the immunoglobulin superfamily. This protein is high affinity receptor for the Fc region of immunoglobulins gamma. It plays an important role in both innate and adaptive immune response.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT.
Molecular Mass	33.8 kDa (302aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSQMVDTT KAVITLQPPW VSVFQEETVT LHCEVLHLPQ SSSTQWFLNG TATQTSTPSY RITSASVNDG GEYRCQRGLS GRSDPIQLEI HRGWLLQVS SRVFTEGEPL ALRCHAWKDK LVYNVLYYRN GKAFKFFHWN SNLTILKTNI SHNGTYHCSG MGKHRYTSAG ISVTVKELFP APVLNASVTS PLLEGNLVTL SCETKLLLR PGLQLYFSFY MGSKTLRGRN

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TSSEYQILTA RREDSGLYWC EAATEDGNVL KRSPELELQV LGLQLPTPVW FH

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage 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.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name FCGR1A Fc fragment of IgG, high affinity Ia, receptor (CD64) [Homo sapiens]

Official Symbol FCGR1A

Synonyms FCGR1A; Fc fragment of IgG, high affinity Ia, receptor (CD64); Fc fragment of IgG, high affinity Ia, receptor for (CD64); high affinity immunoglobulin gamma Fc receptor I; CD64; CD64A; fcgammaRIa; Fc-gamma RI; fc-gamma RIA; Fc gamma receptor; IgG Fc receptor I; Fc-gamma receptor I A1; FCRI; IGFR1; FLJ18345;

Gene ID 2209

mRNA Refseq NM_000566

Protein Refseq NP_000557

MIM 146760

UniProt ID P12314

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Chromosome Location	1q21.2-q21.3
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing-Cross presentation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Cross-presentation of soluble exogenous antigens (endosomes), organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem;
Function	IgG binding; protein binding; receptor activity; receptor signaling protein activity;

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