

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

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	16-292aa
<b>Description</b>	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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT.
<b>Molecular Mass</b>	33.8 kDa (302aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSQMVDTT KAVITLQPPW VSVFQEETVT LHCEVLHLPG SSSTQWFLNG TATQTSTPSY RITSASVNDS GEYRCQRGLS GRSDPIQLEI HRGWLLQVS SRVFTEGEPL ALRCHAWKDK LVYNVLYYRN GKAFKFFHWN SNLTILKTNI SHNGTYHCSG MGKHRYTSAG ISVTVKELFP APVLNASVTS PLLEGNLVTL SCETKLLLQR PGLQLYFSFY MGSKTLRGRN

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Chromosome Location</b>	1q21.2-q21.3
<b>Pathway</b>	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;
<b>Function</b>	IgG binding; protein binding; receptor activity; receptor signaling protein activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA