

Recombinant Human FCGR1A, Fc-tagged

Cat. No. FCGR1A-27573TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to aa 16 - 115 of Human FCGR1A with an N terminal proprietary tag; predicted mwt: 36.63 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	This gene encodes a protein that plays an important role in the immune response. This protein is a high-affinity Fc-gamma receptor. The gene is one of three related gene family members located on chromosome 1.
Conjugation	Fc
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Monocyte/macrophage specific.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	QVDTTKAVITLQPPWVSVFQEETVTLHCEVLHLPGSSSTQWFLNGTATQTSTPSYRI TSASVNDSGEYRCQRGLSGRSDPIQLEIHRGWLLLQVSSRVFT
Sequence Similarities	Belongs to the immunoglobulin superfamily. FCGR1 family. Contains 3 Ig-like C2-type (immunoglobulin-like) domains.

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;
Gene ID	2209
mRNA Refseq	NM_000566
Protein Refseq	NP_000557
MIM	146760
Uniprot ID	P12314
Chromosome Location	1q21.2-q21.3

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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;

Function

IgG binding; protein binding; receptor activity; receptor signaling protein activity;

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