

Active Recombinant Human FCGR1A(Gln 16 - Pro 288), His-tagged, Biotinylated

Cat. No. FCGR1A-180H Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Human Fc gamma RI / CD64 Protein is expressed from human HEK293 cells. It contains AA Gln 16 - Pro 288 (Accession # AAH32634).
Species	Human
Source	HEK293
ProteinLength	16-288 a.a.
Conjugation/Label	Biotin
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% Trehalose.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Yervoy Ipilimumab (Human IgG1) at 10 µg/mL (100 µL/well) can bind Biotinylated Human Fc gamma RI with a linear range of 1.5-50 ng/mL.
Molecular Mass	This protein carries a 15 AA fragment at the C-terminus, followed by a polyhistidine tag. There is one single lysine residue within the 15 AA fragment that is enzymatically labeled with biotin in vivo. The protein has a calculated MW of 34.3 kDa. The predicted N-terminus is Gln 16. The reducing (R) protein migrates as 45-60 kDa in SDS-PAGE due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	>92% as determined by SDS-PAGE.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

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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