

Active Recombinant Human FCGR1A Protein, His & Avi-tagged, Biotinylated

Cat. No. FCGR1A-373H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCGR1A Protein, His & Avi-tagged, Biotinylated is expressed from human 293 cells (HEK293). It contains AA Gln 16 - Pro 288 (Accession # P12314-1). Predicted N-terminus: Gln 16. This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag. The protein has a calculated MW of 34.3 kDa. The protein migrates as 50-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.
Species	Human
Source	HEK293
ProteinLength	Gln 16 - Pro 288
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	<p>Immobilized Yervoy Ipilumimab at 5 µg/mL (100 µL/well) can bind Recombinant Human FCGR1A Protein, His & Avi-tagged, Biotinylated with a linear range of 0.2-3 ng/mL (QC tested).</p> <p>Recombinant Human FCGR1A Protein, His & Avi-tagged, Biotinylated captured on Biotin CAP- Series S Sensor Chip can bind Herceptin with an affinity constant of 1.02 nM as determined in a SPR assay (Biacore T200) (QC tested).</p>
Molecular Mass	34.3 kDa

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by reduced SDS-PAGE.
Notes	Please avoid repeated freeze-thaw cycles.
Stability	No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade 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; CD64; CD64A; Fc-gamma RI; fc-gamma RIA; FCRI; IGFR1; FLJ18345;
Gene ID	2209
mRNA Refseq	NM_000566

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

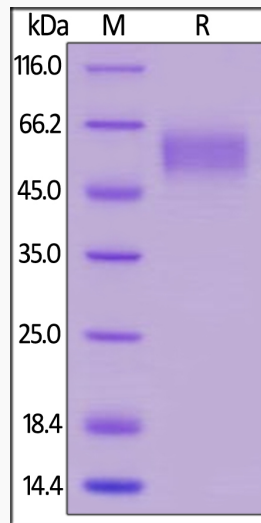
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Protein Refseq NP_000557

MIM 146760

UniProt ID P12314



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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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