

Active Recombinant Human FCGR2A protein(167 Arg), His-tagged

Cat. No. FCGR2A-649H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCGR2A protein (Met1-Ile218) (P12318-1, with Natural variant His 167 Arg), fused with a C-terminal polyhistidine tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Ile218
Form	Lyophilized from sterile PBS, pH 7.5 Normally 5 % trehalose, 5 % mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its ability to bind biotinylated human IgG2 in functional ELISA. 2. Loaded Anti-CD32A Antibody, Mouse Monoclonal on AMC Biosensor, can bind CD32A Protein, Human, Recombinant (167 Arg, His Tag) with an affinity constant of 6.8 nM as determined by Octet RED System.
Molecular Mass	The recombinant human FCGR2A consists of 196 amino acids after removal of the signal peptide and predicts a molecular mass of 22 kDa. It migrates as an approximately 30 kDa protein due to glycosylation by SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

 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

Purity	> 97 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. 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.

GENE INFORMATION

Gene Name	FCGR2A Fc fragment of IgG, low affinity IIa, receptor (CD32) [Homo sapiens]
Official Symbol	FCGR2A
Synonyms	FCGR2A; CD32; CD32A; CDw32; IGFR2; fcRII-a; fc-gamma-RIIa; FCG2; FcGR; FCGR2; FCGR2A1; MGC23887; MGC30032;
Gene ID	2212
mRNA Refseq	NM_001136219.1
Protein Refseq	NP_001129691.1
MIM	146790
UniProt ID	P12318

 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