

Active Recombinant Rat Fcgr1a protein, His-tagged

Cat. No. Fcgr1a-4081R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Fcgr1a protein(NP_001094306.1)(Met1-Pro285), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met1-Pro285
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Rat CD64-his at 10 µg/ml (100 µl/well) can bind biotinylated human IgG1, The EC50 of biotinylated human IgG1 is 0.04-0.08 µg/ml.
Molecular Mass	The recombinant rat FCGR1A comprises 280 amino acids and predicts a molecular mass of 31.6 kDa. The apparent molecular mass of the rat FCGR1A is approximately 40-42 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

 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

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 [Fcgr1a Fc fragment of IgG, high affinity Ia, receptor \(CD64\) \[Rattus norvegicus \]](#)

Official Symbol [Fcgr1a](#)

Synonyms FCGR1A; Fc fragment of IgG, high affinity Ia, receptor (CD64); high affinity immunoglobulin gamma Fc receptor I; Fc receptor, IgG, high affinity I; high affinity IgG Fc receptor, subunit beta; Fc fragment of IgG high affinity Ib receptor; high-affinity immunoglobulin gamma Fc receptor I; Fc fragment of IgG, high affinity Ib, receptor for (CD64); Fcgr1; Fcgr1b; FcgammaRI;

Gene ID [295279](#)

mRNA Refseq [NM_001100836](#)

Protein Refseq [NP_001094306](#)

 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