

Active Recombinant Rat Fcgr3a protein, His-tagged

Cat. No. Fcgr3a-4082R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Fcgr3a protein(ABO70343.1)(Met1-Pro200), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met1-Pro200
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.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized rat FCGR3A-His at 10 µg/ml (100 µl/well) can bind biotinylated human IgG1, The EC50 of biotinylated human IgG1 is 59.0-139.0 ng/ml.
Molecular Mass	The recombinant rat FCGR3A comprises 190 amino acids and predicts a molecular mass of 21.7 kDa. The apparent molecular mass of the rat FCGR3A is approximately 28-33 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	> 97 % 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 Fcgr3a Fc fragment of IgG, low affinity IIIa, receptor [*Rattus norvegicus*]

Official Symbol Fcgr3a

Synonyms FCGR3A; Fc fragment of IgG, low affinity IIIa, receptor; transmembrane receptor
FcgammaRIII-X; Fc fragment of IgG intermediate affinity IV receptor; Fc fragment of IgG, low affinity IIIa, receptor for (CD16); Fcgr4;

Gene ID 304966

mRNA Refseq NM_207603

Protein Refseq NP_997486

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