

Active Recombinant Rat Fcgr1a protein, His-tagged, Low Endotoxin

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

SPECIFICATION

Product Overview	Recombinant Rat Fcgr1a protein(A0A0B4J2J0)(16-285 aa), fused with C-terminal His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	16-285 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Loaded Rat Fc gamma RI, His Tag on Anti-His-Biosensor can bind Trastuzumab with an affinity constant of 0.11 μ M as determined in BLI assay.
Molecular Mass	The protein has a predicted MW of 31.86 kDa. Due to glycosylation, the protein migrates to 45-55 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal

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storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

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](#)

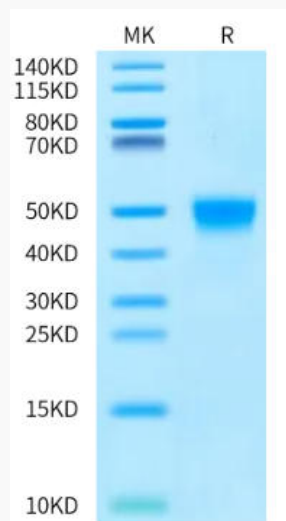
Protein Refseq [NP_001094306](#)

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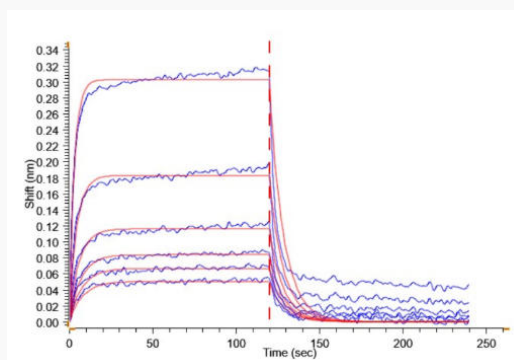
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Bis-Tris PAGE



BLI Data



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