

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Rat Fcgr1a protein(A0A0B4J2J0)(Gln16-Pro285) is expressed from HEK293 with His tag at the C-terminus.                                                                                                |
| <b>Species</b>          | Rat                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 16-285 aa                                                                                                                                                                                                               |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).                                                                                                                                                             |
| <b>Bio-activity</b>     | Loaded Rat Fc gamma RI, His Tag on Anti-His-Biosensor can bind Trastuzumab with an affinity constant of 0.11 $\mu$ M as determined in BLI assay .                                                                       |
| <b>Molecular Mass</b>   | 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.                                                                                     |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.                                                                                                                                                                             |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC                                                                                                                                                        |
| <b>Storage</b>          | -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 storage. Please minimize freeze-thaw cycles. |

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**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](#)

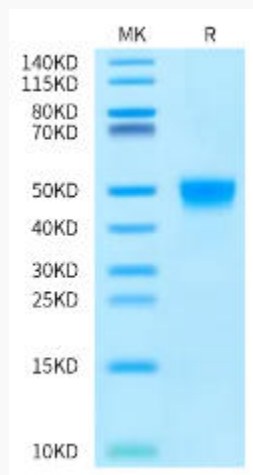
**Synonyms** FCGR1A; Fc fragment of IgG, high affinity Ia, receptor (CD64); high affinity immunoglobulin gamma Fc receptor I; Fc receptor, IgG, high affinity I; high affinity IgG Fc receptor, subunit beta; Fc fragment of IgG high affinity Ib receptor; high-affinity immunoglobulin gamma Fc receptor I;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

**Gene ID** [295279](#)

**mRNA Refseq** [NM\\_001100836](#)

**Protein Refseq** [NP\\_001094306](#)

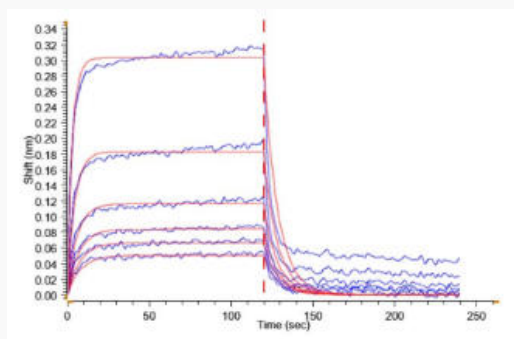
### Bis-Tris PAGE



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**BLI Data**

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