

# Recombinant Human FCGR1A Protein, Gln16-Pro288, C-6×His tagged

**Cat. No.** FCGR1A-13H    **Lot. No.** (See product label)

## SPECIFICATION

|                            |                                                                                                                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Recombinant Human FCGR1A Protein (Gln16-Pro288) with a C-terminal 6-His tag was expressed in Mouse myeloma cell line.                                                                                             |
| <b>Species</b>             | Human                                                                                                                                                                                                             |
| <b>Source</b>              | Mouse myeloma cell                                                                                                                                                                                                |
| <b>ProteinLength</b>       | Gln16-Pro288                                                                                                                                                                                                      |
| <b>Description</b>         | This gene encodes a protein that plays an important role in the immune response. This protein is a high-affinity Fc-gamma receptor. The gene is one of three related gene family members located on chromosome 1. |
| <b>Bio-activity</b>        | Measured by its ability to bind human IgG with an estimated Kd <0.15 nM.                                                                                                                                          |
| <b>Molecular Mass</b>      | Predicted Molecular Mass 31.4 kDa<br>SDS-PAGE 45-55 kDa, reducing conditions                                                                                                                                      |
| <b>Endotoxin</b>           | <1.0 EU/μg of the protein by the LAL method.                                                                                                                                                                      |
| <b>Purity</b>              | >95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.                                                                                                       |
| <b>N-terminal Sequence</b> | No results obtained: Gln16 predicted                                                                                                                                                                              |

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|                         |                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Analysis</b>         |                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>          | <p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 centigrade as supplied.</p> <p>1 month, 2 to 8 centigrade under sterile conditions after reconstitution.</p> <p>3 months, -20 to -70 centigrade under sterile conditions after reconstitution.</p> |
| <b>Storage Buffer</b>   | Lyophilized from a 0.2 µm filtered solution in PBS.                                                                                                                                                                                                                                                                         |
| <b>Shipping</b>         | The product is shipped at ambient temperature.                                                                                                                                                                                                                                                                              |
| <b>Reconstitution</b>   | Reconstitute at 100 µg/mL in sterile PBS.                                                                                                                                                                                                                                                                                   |
| <b>References</b>       | <ol style="list-style-type: none"> <li>1. Van de Winkel, J. and P. Capes (1993) Immunol. Today 14:215.</li> <li>2. Raghaven, M. and P. Bjorkman (1996) Annu. Rev. Cell Dev. Biol. 12:181.</li> <li>3. Ravetch, J. and S. Bolland (2001) Annu. Rev. Immunol. 19:275.</li> </ol>                                              |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>        | FCGR1A Fc fragment of IgG, high affinity Ia, receptor (CD64) [ Homo sapiens (human) ]                                                                                                                                                                                                                                       |
| <b>Official Symbol</b>  | FCGR1A                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>         | FCGR1A; Fc fragment of IgG, high affinity Ia, receptor (CD64); Fc fragment of IgG, high affinity Ia, receptor for (CD64); high affinity immunoglobulin gamma Fc receptor I; CD64; CD64A; fcgammaRIa; Fc-gamma RI; fc-gamma RIA; Fc gamma receptor; IgG Fc receptor I; Fc-gamma receptor I A1; FCRI; IGFR1; FLJ18345;        |
| <b>Gene ID</b>          | 2209                                                                                                                                                                                                                                                                                                                        |

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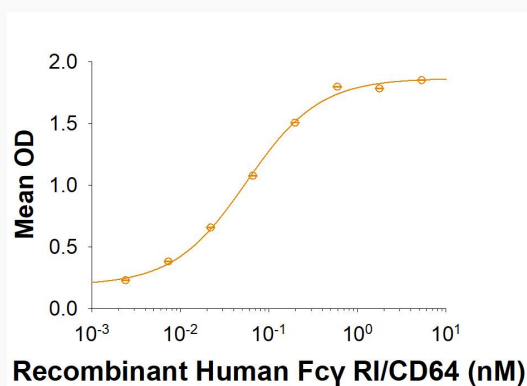
**mRNA Refseq** [NM\\_000566](#)

**Protein Refseq** [NP\\_000557](#)

**MIM** [146760](#)

**UniProt ID** [P12314](#)

**Binding Activity**



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