

Active Recombinant Cynomolgus Monkey FCGR1A Protein, His-tagged

Cat. No. FCGR1A-01C Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Cynomolgus Monkey FCGR1A (Val11-Pro288) Protein with a C-terminal 6-His tag was expressed in human embryonic kidney cell. |
| Species | Cynomolgus |
| Source | HEK293 |
| ProteinLength | 11-288 |
| Description | High affinity receptor for the Fc region of immunoglobulins gamma. Functions in both innate and adaptive immune responses. |
| Form | Lyophilized |
| Bio-activity | Measured by its binding ability in a functional ELISA. When Human IgG is immobilized at 0.5 µg/mL, 100 µL/well, the concentration of Recombinant Cynomolgus Monkey Fc gamma RI/CD64 that produces 50% of the optimal binding response is approximately 1-5 ng/mL. |
| Molecular Mass | 32 kDa |
| N-terminal Sequence Analysis | Val11 |

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| Endotoxin | <0.1 EU/μg of the protein by the LAL method. |
| Purity | >95% by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining. |
| Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution. |
| Storage Buffer | Lyophilized from a 0.2 μm filtered solution in PBS. |
| Reconstitution | Reconstitute at 200 μg/mL in PBS. |

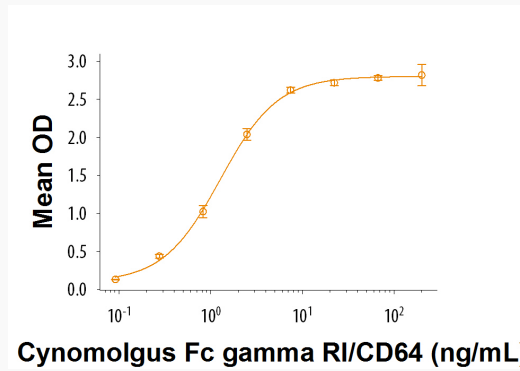
GENE INFORMATION

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| Gene Name | FCGR1A Fc fragment of IgG, high affinity Ia, receptor (CD64) [<i>Macaca fascicularis</i> (crab-eating macaque)] |
| Official Symbol | FCGR1A |
| Synonyms | FCGR1A; Fc fragment of IgG, high affinity Ia, receptor (CD64); Fcgr1; Fc fragment of IgG, high affinity Ia, receptor (CD64); Fc gamma receptor I |
| Gene ID | 102147198 |
| mRNA Refseq | NM_001284040 |
| Protein Refseq | NP_001270969 |

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Bioactivity

When Human IgG is immobilized at 0.5 $\mu\text{g/mL}$, 100 $\mu\text{L/well}$, Recombinant Cynomolgus Monkey Fc gamma RI/CD64 binds with an ED50 of 1-5 ng/mL.

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