

Active Recombinant Human FCGR2A Protein, His-tagged

Cat. No. FCGR2A-06H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Fc gamma RIIA/CD32a (H167) Protein (Gln34-Ile218), with a C-terminal 10-His tag, was expressed in Mouse myeloma cell line.
Species	Human
Source	Mouse myeloma cell
ProteinLength	34-218 a.a.
Description	This gene encodes one member of a family of immunoglobulin Fc receptor genes found on the surface of many immune response cells. The protein encoded by this gene is a cell surface receptor found on phagocytic cells such as macrophages and neutrophils, and is involved in the process of phagocytosis and clearing of immune complexes. Alternative splicing results in multiple transcript variants.
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Human Fc gamma RIIA/CD32a (H167) is coated at 1 µg/mL, 100 µL/well, it binds to human IgG with an ED50 of 0.25-1.25 µg/mL.
Molecular Mass	22 kDa
N-terminal Sequence Analysis	Ala36 identified. Gln34 inferred from enzymatic pyroglutamate treatment revealing Ala35
Endotoxin	< 0.10 EU/µg of the protein by the LAL method.

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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 500 µg/mL in PBS.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	FCGR2A Fc gamma receptor IIa [Homo sapiens (human)]
Official Symbol	FCGR2A
Synonyms	FCGR2A; Fc gamma receptor IIa; CD32; FCG2; FcGR; CD32A; CDw32; FCGR2; IGFR2; FCGR2A1; FcgammaRIIa; low affinity immunoglobulin gamma Fc region receptor II-a; Fc fragment of IgG receptor IIa; Fc fragment of IgG, low affinity IIa, receptor (CD32); Fc gamma receptor RIIa3; Immunoglobulin G Fc receptor II; fc-gamma-RIIa; fcRII-a; igG Fc receptor II-a
Gene ID	2212
mRNA Refseq	NM_021642
Protein Refseq	NP_067674

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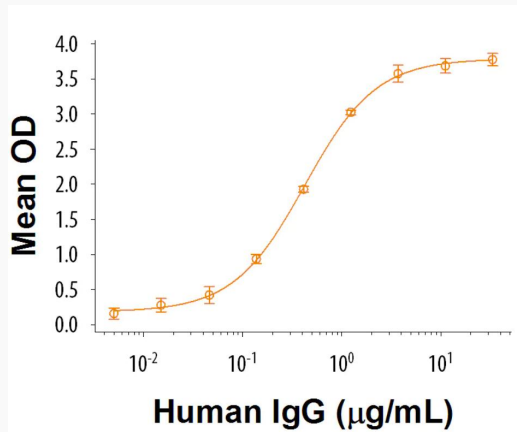
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MIM 146790

UniProt ID P12318

Bioactivity



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