Active Recombinant Human FCGR3A protein, His-tagged, 176 Val

Cat. No. FCGR3A-7288H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCGR3A protein is produced by CHO Cells expression system. This protein is fused with a His tag at the C-terminal. A DNA sequence encoding the extracellular domain (Met 1-Gln 208) of human CD16a (AAH17865.1) was expressed, with a C-terminal polyhistidine tag. It is identical to FCGR3A158F/V in the reference.
Species	Human
Source	CHO
ProteinLength	Met 1-Gln 208
Form	Lyophilized from sterile PBS, pH 7.2. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human CD16a-His at 10 μg/ml (100 μl/well) can bind recombinant human IgG1 (Fc). The EC50 of human IgG1 (Fc) is 0.40-0.92 μg/ml.
Molecular Mass	40-45 Kda
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

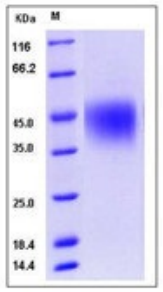
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Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Reconstitute at 100µg/ml in sterile PBS.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise

GENE INFORMATION

Gene Name	FCGR3A Fc fragment of IgG, low affinity IIIa, receptor (CD16a) [Homo sapiens]
Official Symbol	FCGR3A
Synonyms	CD16; CD16A; FcgammaRIIIa; FCG3; FCGR3; FCGRIII; FCR-10; FCRIII; FCRIIIA; IGFR3; IMD20
Gene ID	2214
mRNA Refseq	NM_000569
Protein Refseq	NP_000560
MIM	146740
UniProt ID	P08637

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