

Active Recombinant Human FCGR3B Protein (NA2) (Gly 17 - Ser 200), His-tagged

Cat. No. FCGR3B-313H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCGR3B Protein (NA2), His-tagged is expressed from human 293 cells (HEK293). It contains AA Gly 17 - Ser 200 (Accession # O75015-1). The NA1 form of the CD16b differ with the NA2 form of CD16b in AA36, 65, 82, and 106. The NA1 form carries R36, N65, D82, and V106, while the NA2 form carries S36, S65, N82, and I106. Predicted N-terminus: Gly 17. This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 22.7 kDa. The protein migrates as 38-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Species	Human
Source	HEK293
ProteinLength	Gly 17 - Ser 200
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Recombinant Human FCGR3B Protein (NA2), His-tagged on CM5 Chip via anti-His antibody, can bind Rituximab with an affinity constant of 2.88 µM as determined in a SPR assay (Biacore T200) (QC tested).
Molecular Mass	22.7 kDa

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Notes	Please avoid repeated freeze-thaw cycles.
Stability	No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	FCGR3B Fc fragment of IgG, low affinity IIIb, receptor (CD16b) [Homo sapiens]
Official Symbol	FCGR3B
Synonyms	FCGR3B; CD16; CD16b; fc-gamma RIII; FCG3; FCGR3; FCR-10; FCRIII; FCRIIIb;
Gene ID	2215
mRNA Refseq	NM_000570
Protein Refseq	NP_000561

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MIM	610665
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UniProt ID	O75015
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