

Active Recombinant Human FCGR3B protein(NA2), His-Avi-tagged, Biotinylated

Cat. No. FCGR3B-431H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human FCGR3B protein(NA2)(O75015-1)(Gly17-Ser200) is expressed from HEK293 with His tag and Avi tag at the C-Terminus. The CD16b NA1 differ with the CD16b NA2 in AA36, 65, 82, and 106. The CD16b NA1form carries R36, N65, D82, and V106, while the CD16b NA2 form carries S36, S65, N82, and I106.
Species	Human
Source	HEK293
ProteinLength	17-200 aa
Conjugation/Label	Biotin
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Bio-activity	Biotinylated Human Fc gamma RIIB (NA2), His Tag captured on CM5 Chip via Anti-his antibody can bind Rituximab with an affinity constant of 3.50 µM as determined in SPR assay (Biacore T200).
Molecular Mass	The protein has a predicted MW of 23.7 kDa. Due to glycosylation, the protein migrates to 47-53 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.

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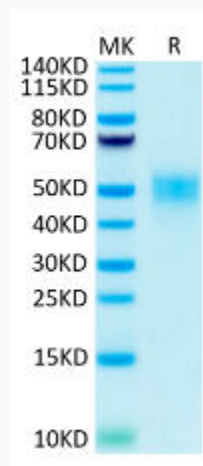
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Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water.
GENE INFORMATION	
Gene Name	FCGR3B Fc fragment of IgG, low affinity IIIb, receptor (CD16b) [Homo sapiens]
Official Symbol	FCGR3B
Synonyms	FCGR3B; Fc fragment of IgG, low affinity IIIb, receptor (CD16b); Fc fragment of IgG, low affinity IIIb, receptor for (CD16) , FCG3, FCGR3; low affinity immunoglobulin gamma Fc region receptor III-B; CD16; CD16b; fc-gamma RIII; fc-gamma RIIIb; fc-gamma RIII-beta; igG Fc receptor III-1; Fc-gamma receptor IIIb (CD 16); Fc fragment of IgG, low affinity IIIb, receptor for (CD16); FCG3; FCGR3; FCR-10; FCRIII; FCRIIIb;
Gene ID	2215
mRNA Refseq	NM_000570
Protein Refseq	NP_000561
MIM	610665
UniProt ID	O75015

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Bis-Tris PAGE**SPR Data** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA