

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

Cat. No. FCGR3B-430H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCGR3B protein(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 NA1 form carries R36, N65, D82, and V106, while the CD16b NA2 form carries S36, S65, N82, and I106.
Species	Human
Source	HEK293
Protein Length	17-200 aa
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Bio-activity	Loaded Human Fc gamma RIIB (NA2), His Tag on Anti-His-Biosensor, can bind Rituximab, hFc Tag with an affinity constant of 2.87 µM as determined in BLI assay (Gator).
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 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

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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

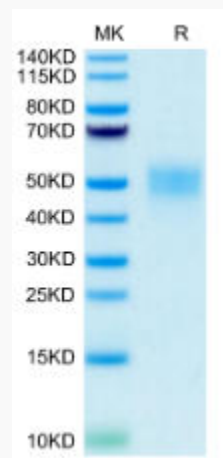
UniProt ID O75015

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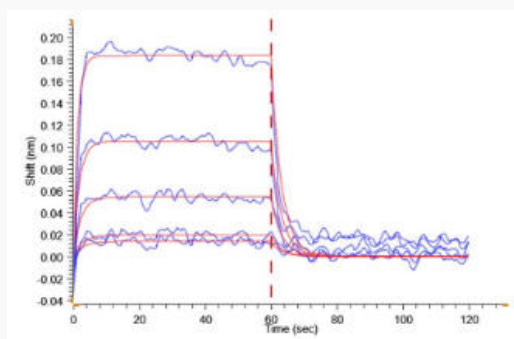
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Bis-Tris PAGE



BLI Data



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