

# Active Recombinant Human FCGR2B Protein, His & Avi-tagged, Biotinylated

Cat. No. FCGR2B-324H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant Human FCGR2B Protein(Ala 46-Ile 224) (NP_001002274.1) was fused with a signal peptide at the N-terminus and a c-terminal polyhistidine tagged AVI tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ala 46-Ile 224
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	1. Measured by its ability to bind human IgG1 in functional ELISA. 2. Using the Octet RED System, the affinity constant (Kd) of CD32B / Fcgr2b Protein, Human, Recombinant (His & AVI Tag), Biotinylated bound to Avastin was 0.02 μM.
<b>Molecular Mass</b>	The recombinant mature human CD32b consists of 214 amino acids after proteolytic removal of the signal peptide and predicts a molecular mass of 24 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of the protein is approximately 35 kDa protein due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per μg of the protein as determined by the LAL method

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<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	FCGR2B Fc fragment of IgG, low affinity IIb, receptor (CD32) [ Homo sapiens ]
<b>Official Symbol</b>	FCGR2B
<b>Synonyms</b>	FCGR2B; CD32; CD32B; CDw32; fcRII-b; Fc gamma RIIB; FCG2; FCGR2; IGFR2;
<b>Gene ID</b>	2213
<b>mRNA Refseq</b>	NM_001002273.2
<b>Protein Refseq</b>	NP_001002273.1
<b>MIM</b>	604590
<b>UniProt ID</b>	P31994

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