

## Recombinant Human FCGR2B Protein, C-His-tagged

Cat. No. FCGR2B-032H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FCGR2B Protein with C-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>FcyRIIB (CD32B) is a low affinity, IgG Fc-binding receptor expressed on B cells, monocytes, macrophages, and dendritic cells (DCs). It is the inhibitory Fc receptor and signals through an immunoreceptor tyrosine-based inhibitory motif (ITIM) within its carboxy-terminal cytoplasmic tail. Binding of immune complexes to FcyRIIB results in tyrosine phosphorylation of the ITIM motif at Tyr292 and recruitment of the phosphatase SHIP, which mediates inhibitory effects on immune cell activation. In this way, FcyRIIB suppresses the effects of activating Fc-binding receptors. For example, mice deficient for FcyRIIB have greater T cell and DC responses following injection of immune complexes. In addition, FcyRIIB plays a role in B cell affinity maturation. Signaling through FcyRIIB in the absence of signaling through the B cell receptor (BCR) is proapoptotic, while signaling through FcyRIIB and the BCR simultaneously attenuates the apoptotic signal and results in selection of B cells with higher antigen affinity.</p>
<b>Molecular Mass</b>	~19 kDa
<b>AA Sequence</b>	TPAAPPKAVLKLEPQWINVLQEDSVTLTCRGTSPESDSIQWFHNGNLIPTHTQPSY RFKANNNDSGEYTCQTGQTSLSDPVHLTVLSEWLVLQTPHLEFQEGETIVLRCHSW

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	KDKPLVKVTTFFQNGKSKKFSRSDPNFSIPQANHSHSGDYHCTGNIGYTLYSSKPVTI TVQAP
<b>Purity</b>	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
<b>Notes</b>	For research use only, not for use in diagnostic procedure.
<b>Storage</b>	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
<b>Concentration</b>	≥0.5 mg/mL
<b>Storage Buffer</b>	PBS, 4M Urea, pH7.4
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	FCGR2B Fc fragment of IgG, low affinity IIb, receptor (CD32) [ Homo sapiens (human) ]
<b>Official Symbol</b>	FCGR2B
<b>Synonyms</b>	FCGR2B; Fc fragment of IgG, low affinity IIb, receptor (CD32); Fc fragment of IgG, low affinity IIb, receptor for (CD32) , FCG2, FCGR2; low affinity immunoglobulin gamma Fc region receptor II-b; CD32; CD32B; CDw32; fcRII-b; Fc gamma RIIb; fc-gamma-RIIb; fc-gamma RII-b; igG Fc receptor II-b; Fc fragment of IgG, low affinity II, receptor for (CD32); Fc fragment of IgG, low affinity IIb, receptor for (CD32); FCG2; FCGR2; IGFR2;
<b>Gene ID</b>	2213

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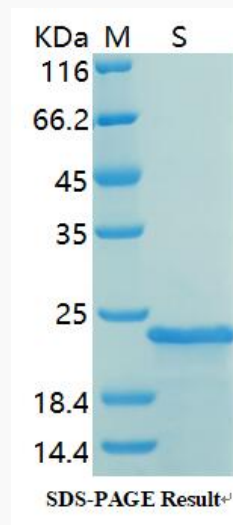
mRNA Refseq [NM\\_001002273](#)

Protein Refseq [NP\\_001002273](#)

MIM [604590](#)

UniProt ID [P31994](#)

**SDS-PAGE**



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