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## Datasheet for ABIN7319384 FCGR2B Protein (His tag)

### Overview

Quantity:	50 µg
Target:	FCGR2B
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FCGR2B protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human CD32b/FCGR2B Protein (His Tag)
Sequence:	Thr43-Pro217
Characteristics:	Recombinant Human Low Affinity Immunoglobulin Gamma Fc Region Receptor II-B is produced by our Mammalian expression system and the target gene encoding Thr43-Pro217 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	FCGR2B
Alternative Name:	CD32b/FCGR2B ( <a href="#">FCGR2B Products</a> )
Background:	Background: FcγRIIB is a low affinity receptor that recognizes the Fc portion of IgG. The human CD32 group consists of FcγRIIA, FcγRIIB, and FcγRIIC proteins that share 94-99 % sequence

## Target Details

identity in their extracellular domains but differ substantially in their transmembrane and cytoplasmic domains. FcγRII protein is expressed on cells of both myeloid and lymphoid lineages as well as on cells of non-hematopoietic origin. FcγRIIB has an intrinsic cytoplasmic immunoreceptor tyrosine-based inhibitory motif (ITIM) and delivers an inhibitory signal upon ligand binding. Ligation of FcγRIIB on B cells down-regulates antibody production and in some circumstances may promote apoptosis. Co-ligation of FcγRIIB on dendritic cells inhibits maturation and blocks cell activation. FcγRIIB may also be a target for monoclonal antibody therapy for malignancies. FcγRIIB plays an important negative-regulating role through modulating the signals from activation receptors.

Synonym: Low Affinity Immunoglobulin Gamma Fc Region Receptor II-b, IgG Fc Receptor II-b, CDw32, Fc-Gamma RII-b, Fc-Gamma-RIIb, FcRII-b, CD32, FCGR2B, FCG2, IGFR2

Molecular Weight: 20.6 kDa

NCBI Accession: [NP\\_001002274](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Leukocyte Mediated Immunity](#), [Production of Molecular Mediator of Immune Response](#), [BCR Signaling](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.