



[Go to Product page](#)

Datasheet for ABIN7195695  
**FCGR2B Protein (His tag,AVI tag)**

### Overview

Quantity:	100 µg
Target:	FCGR2B
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FCGR2B protein is labelled with His tag,AVI tag.

### Product Details

Purpose:	Recombinant Human CD32b/FCGR2B Protein (His&AVI Tag)(Active)
Sequence:	Ala 46-Ile 224
Characteristics:	A DNA sequence encoding the extracellular domain (Ala 46-Ile 224) of mature human CD32b (NP_001002274.1) protein was fused with a signal peptide at the N-terminus and a c-terminal polyhistidine tagged AVI tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Immobilized human CD32b-AVI-His at 10 µg/ml (100 µl/well) can bind biotinylated Human IgG1, The EC50 of biotinylated Human IgG1 is 0.20-0.48 µg/ml.

### Target Details

Target:	FCGR2B
---------	--------

## Target Details

---

Alternative Name: CD32b/FCGR2B ([FCGR2B Products](#))

---

Background: MD-1 and MD-2 are secretory glycoproteins that exist on the cell surface in complexes with transmembrane proteins. MD-1 is anchored by radioprotective 105 (RP105) which is a molecule containing leucine-rich repeats and is expressed on B cells, dendritic cells and macrophages, while MD-2 is associated with TLR4. MD-1 is required for efficient RP105 cell surface expression and function. It is indicated that the RP105/MD1 complex, in conjunction with TLR4, mediates the innate immune response to LPS in B cells, and also plays a role in protecting against apoptosis, B-cell proliferation, etc. Mouse MD-1 cDNA encodes a 162 amino acid precursor protein with a putative 19 aa signal peptide and two potential N-linked glycosylation sites. It shares 40 % and 66 % amino acid sequence identity with chicken and human MD-1 respectively. MD-1 is mainly expressed in spleen, and also detectable in liver, brain, thymus, and kidney.

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: 24 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 sterile PBS, pH 7.4

---

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.

---