

## CD32B/Fcgr2b Protein, Human, Recombinant (IIB2, His)

### General Information

Synonyms:	IGFR2;FCGR21;Fc $\gamma$ RIIB;Fc gamma RIIB;FcGR;CD32A;CD32B;FCGR2A;FCGR2;Fc fragment of IgG, low affinity IIb, receptor (CD32);Fc $\gamma$ RII;CD32;Fc gamma RII;FCG2;CDw32
Protein Construction:	A DNA sequence encoding the extracellular domain (Ala 46-Pro 217) of mature human CD32b (NP_001002274.1) protein was expressed with a N-terminal signal peptide and a C-terminal polyhistidine tag. Predicted N terminal: Ala 46
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P31994-2
Molecular Weight:	20.8 kDa (predicted); 25-30 kDa (reducing condition, due to glycosylation)

### QC Testing

Biological Activity:	Measured by its ability to bind biotinylated human IgG2 in functional ELISA.
Purity:	$\geq 95$ % as determined by SDS-PAGE. $\geq 95$ % as determined by SEC-HPLC.
Endotoxin:	$< 1.0$ EU/ $\mu$ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 $\mu$ m filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

### Preparation and Storage

**Reconstitution:**  
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

**Stability & Storage:**

It is recommended to store recombinant proteins at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at  $-80^{\circ}\text{C}$ . For reconstituted protein solutions, the solution can be stored at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

**Shipping:**

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

**This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use**

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