

Fc gamma RIIB/CD32b Protein, Human (HEK293, His-Avi)

Cat. No.:	HY-P78424
Synonyms:	Fc gamma Receptor IIB/C; CD32; CD32b; CDw32; FCGR2B/C; CD32b/c; FcRII-b/c; FCG2; IGFR2; CD32A; Fc gamma RI; Fc gamma RIIB; FCG2 ; FcGR; FCGR2; FCGR21; FCGR2A
Species:	Human
Source:	HEK293
Accession:	P31994 (A46-P217)
Gene ID:	2213
Molecular Weight:	32-37 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Fc gamma RIIB/CD32b Protein serves as a receptor for the Fc region of complexed or aggregated immunoglobulins gamma, displaying low affinity. It plays a pivotal role in various effector and regulatory functions, including the phagocytosis of immune complexes and the modulation of antibody production by B-cells. Upon binding to this receptor, there is a down-modulation of the preceding state of cell activation triggered through antigen receptors on B-cells (BCR), T-cells (TCR), or another Fc receptor. Notably, isoform IIB1 is unable to mediate endocytosis or phagocytosis, while isoform IIB2 does not induce phagocytosis. Fc gamma RIIB/CD32b interacts with INPP5D/SHIP1, FGR, and LYN.
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Caution: Product has not been fully validated for medical applications. For research use only.

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