

Fc gamma RIIIB/CD16b (NA1) Protein, Human (Biotinylated, HEK293, His-Avi)

Cat. No.:	HY-P78881
Synonyms:	Fc gamma RIIIB ; CD16b (NA1); FCGR3B; CD16B; FCG3B; FCGR3; FCG3; IGFR3
Species:	Human
Source:	HEK293
Accession:	AAA35881.1 (G17-S200)
Gene ID:	2215
Molecular Weight:	43-53 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	The Fc gamma RIIIB, also known as CD16b, is a receptor protein with diverse functions. In addition to its known roles in immune responses as an Fc receptor for IgG antibodies, Fc gamma RIIIB possesses monoamine oxidase activity, specifically targeting substrates such as 2-phenylethylamine and tryptamine. This enzymatic capability suggests a potential involvement in the metabolism of monoamine neurotransmitters. Furthermore, Fc gamma RIIIB may play a role in adipogenesis, the process by which fat cells differentiate and mature. Additionally, its potential critical modulatory role in signal transmission within the retina suggests its participation in visual processes. Ongoing research may further elucidate the intricate functions and regulatory mechanisms of Fc gamma RIIIB in various physiological contexts.
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Caution: Product has not been fully validated for medical applications. For research use only.

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