

CD42c/GP1BB Protein, Human (HEK293, His)

Cat. No.:	HY-P76805
Synonyms:	Platelet glycoprotein Ib beta chain; GPIb-beta; CD42b-beta
Species:	Human
Source:	HEK293
Accession:	P13224-1/NP_000398.1 (P27-C147)
Gene ID:	2812
Molecular Weight:	Approximately 20 kDa

PROPERTIES

AA Sequence	<p>M G S G P R G A L S L L L L L L A P P S R P A A G C P A P C S C A G T L V D C G</p> <p>R R G L T W A S L P T A F P V D T T E L V L T G N N L T A L P P G L L D A L P A</p> <p>L R T A H L G A N P W R C D C R L V P L R A W L A G R P E R A P Y R D L R C V A</p> <p>P P A L R G R L L P Y L A E D E L R A A C A P G P L C</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4 or PBS, pH 7.4.
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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	<p>CD42c, also known as GP1BB, is a surface membrane protein on platelets crucial for the formation of platelet plugs through its interaction with von Willebrand factor, which is pre-bound to the subendothelium. The GP1BB protein forms a heterodimer with two disulfide-linked GP1B beta subunits and associates non-covalently with GP-IX. This intricate complex of GP1BB, GP1B alpha, and GP-IX plays a pivotal role in mediating platelet adhesion and initiating the process of thrombus formation. Additionally, CD42c has been identified to interact with TRAF4, suggesting potential regulatory roles in cellular signaling pathways.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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