

## CD42c/GP1BB Protein, Human (HEK293, His)

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| <b>Cat. No.:</b>         | HY-P76805  |
| <b>Synonyms:</b>         | Platelet glycoprotein Ib beta chain; GPIb-beta; CD42b-beta |
| <b>Species:</b>          | Human  |
| <b>Source:</b>           | HEK293   |
| <b>Accession:</b>        | P13224 (M1-C147)   |
| <b>Gene ID:</b>          | 2812   |
| <b>Molecular Weight:</b> | Approximately 20 kDa                                       |

### PROPERTIES

|                                |  |
|--------------------------------|--|
| <b>AA Sequence</b>             | <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> |
| <b>Biological Activity</b>     | Data is not available.   |
| <b>Appearance</b>              | Lyophilized powder.  |
| <b>Formulation</b>             | Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4 or PBS, pH 7.4.   |
| <b>Endotoxin Level</b>         | <1 EU/µg, determined by LAL method.  |
| <b>Reconstitution</b>          | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).  |
| <b>Storage &amp; Stability</b> | 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.   |
| <b>Shipping</b>                | Room temperature in continental US; may vary elsewhere.  |

### DESCRIPTION

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| <b>Background</b> | <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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