

## CD42c/GP1BB Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P77686
Synonyms:	GP-Ib beta; GPIb-beta; GPIbB; Gp1bb; BDPLT1; BS; CD42c; GP1BB; GPIbb; GPIbbeta
Species:	Mouse
Source:	HEK293
Accession:	P56400 (P27-C147)
Gene ID:	14724
Molecular Weight:	46-50 kDa

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 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	CD42c, a surface membrane protein found on platelets, actively contributes to the formation of platelet plugs by engaging with von Willebrand factor (vWF), which is already anchored to the subendothelium. This process involves the disulfide-linked association of two GP-Ib beta subunits with one GP-Ib alpha subunit, collectively forming the GP-Ib heterodimer. Additionally, GP-IX is intricately associated with the GP-Ib heterodimer through a non-covalent linkage, enhancing the overall stability and functionality of this platelet surface receptor. In molecular interactions, CD42c exhibits a similarity to its association with tumor necrosis factor receptor-associated factor 4 (TRAF4), suggesting a role in the regulatory network governing platelet function.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA