

CD42b/GP1BA Protein, Human (519a.a, HEK293, His)

Cat. No.:	HY-P76804
Synonyms:	Platelet glycoprotein Ib alpha; GP1BA
Species:	Human
Source:	HEK293
Accession:	A5CKE2 (H17-G519)
Gene ID:	2811
Molecular Weight:	Approximately 93 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/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	CD42b/GP1BA, a crucial surface membrane protein on platelets, plays a pivotal role in the formation of platelet plugs by engaging with the A1 domain of von Willebrand factor (vWF), which is already bound to the subendothelium. The GP1BA subunit forms a disulfide-linked complex with two GP1BB subunits, collectively known as GP-Ib. The GP-IX subunit is intricately associated with the GP-Ib heterodimer through a non-covalent linkage. Notably, CD42b/GP1BA interacts with filamin B (FLNB), and FLNA through specific filamin repeats, establishing essential connections that contribute to the intricate regulation of platelet function and hemostasis.
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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

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