

CD42c Protein, Rat (HEK293, Fc)

Cat. No.:	HY-P77323
Synonyms:	Platelet glycoprotein Ib beta chain; GP-Ib beta; GP1BB
Species:	Rat
Source:	HEK293
Accession:	Q9JJM7 (M1-C147)
Gene ID:	116727
Molecular Weight:	Approximately 63 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	CD42c, a surface membrane protein on platelets, actively contributes to the assembly of platelet plugs by engaging with von Willebrand factor (vWF), which is pre-bound to the subendothelium. This protein complex comprises two GP-Ib beta subunits disulfide-linked to one GP-Ib alpha subunit, forming the GP-Ib heterodimer. Additionally, GP-IX is intricately associated with the GP-Ib heterodimer through a non-covalent linkage, enhancing the structural integrity and functionality of this platelet surface receptor. In molecular interactions, CD42c shows similarity to its association with tumor necrosis factor receptor-associated factor 4 (TRAF4), contributing to the regulatory network governing platelet function.
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Caution: Product has not been fully validated for medical applications. For research use only.

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