

Human GP1BB Protein

Cat. No. GP1-HM2BB

Description

Source	Recombinant Human GP1BB Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Pro27-Cys147.
Accession	P13224-1
Molecular Weight	The protein has a predicted MW of 39.6 kDa. Due to glycosylation, the protein migrates to 47-52 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

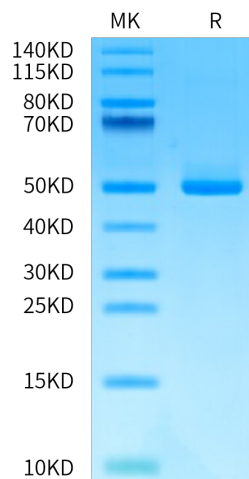
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The glycoprotein (GP) Ib-IX complex is the receptor on platelet surfaces that mediates their adhesion to subendothelium. It comprises three polypeptides (GP Ib alpha, GP Ib beta, GP IX), each of which belongs to a superfamily of proteins containing conserved leucine-rich motifs. Association between GP Ib alpha and GP Ib beta was demonstrated biochemically on immunoblots of detergent lysates of CHO alpha beta cells; electrophoresis under nonreducing conditions revealed the two subunits to be covalently linked through a disulfide bond.

Assay Data

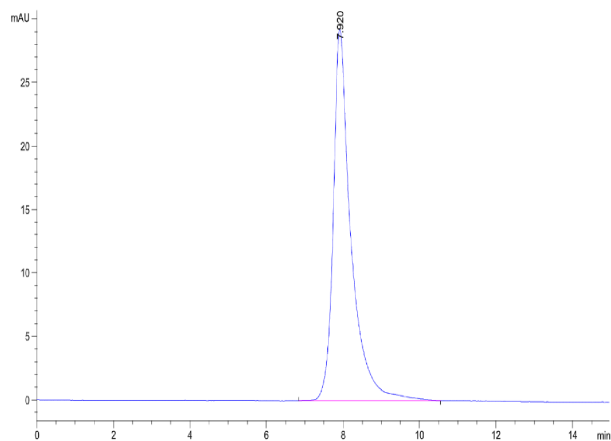
Bis-Tris PAGE



Human GP1BB on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Human GP1BB is greater than 95% as determined by SEC-HPLC.