

# Mouse GP1BB Protein

Cat. No. GP1-MM2BB

## Description

<b>Source</b>	Recombinant Mouse GP1BB Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Pro27-Cys147.
<b>Accession</b>	P56400
<b>Molecular Weight</b>	The protein has a predicted MW of 39.5 kDa. Due to glycosylation, the protein migrates to 46-50 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

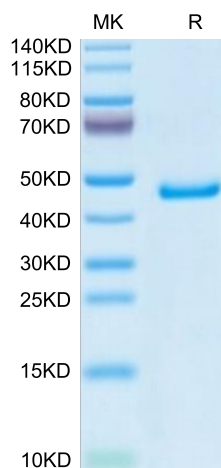
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days 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

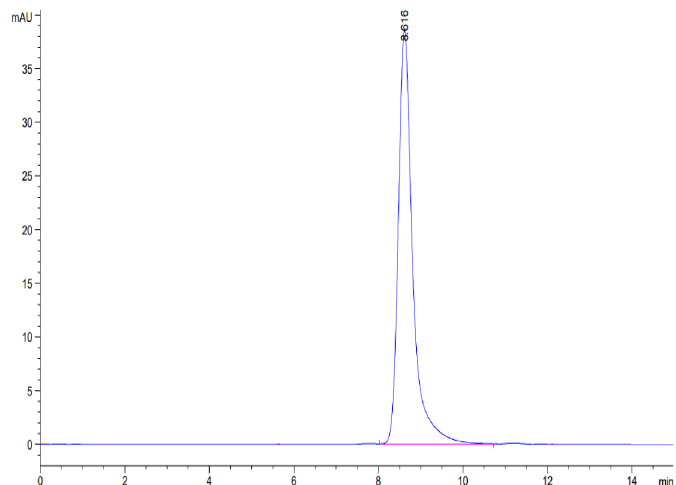
### Tris-Bis PAGE



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

### SEC-HPLC

Assay Data



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