

Human Integrin alpha 2B beta 3 (ITGA2B&ITGB3) Heterodimer Protein



Cat. No. ITG-HM12B

Description

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|-------------------------|--|
| Source | Recombinant Human Integrin alpha 2B beta 3 (ITGA2B&ITGB3) Heterodimer Protein is expressed from Expi293 with His tag at the C-terminal. It contains Leu32-Arg993(ITGA2B)&GLy27-Asp718(ITGB3). |
| Accession | P08514-1(ITGA2B)&P05106-1(ITGB3) |
| Molecular Weight | The protein has a predicted MW of 110.5 kDa (ITGA2B)&81.3 kDa (ITGB3). Due to glycosylation, the protein migrates to 95-115 kDa based on Tris-Bis PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC |

Formulation and Storage

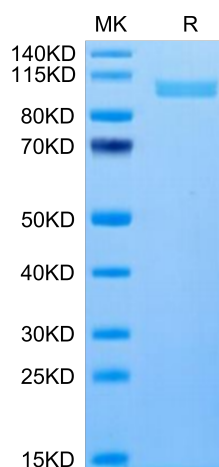
| | |
|--------------------|---|
| Formulation | Supplied as 0.22µm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label. |
| Storage | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles. |

Background

Glanzmann thrombasthenia (GT) is characterized by mucocutaneous bleeding due to platelets that fail to aggregate in response to physiologic stimuli. GT, a rare inherited disease, is caused by quantitative or qualitative deficiencies of α IIb β 3, an integrin receptor for adhesive proteins. Coded by the ITGA2B and ITGB3 genes, α IIb β 3 mediates platelet-to-platelet attachment, aggregation and clot retraction.

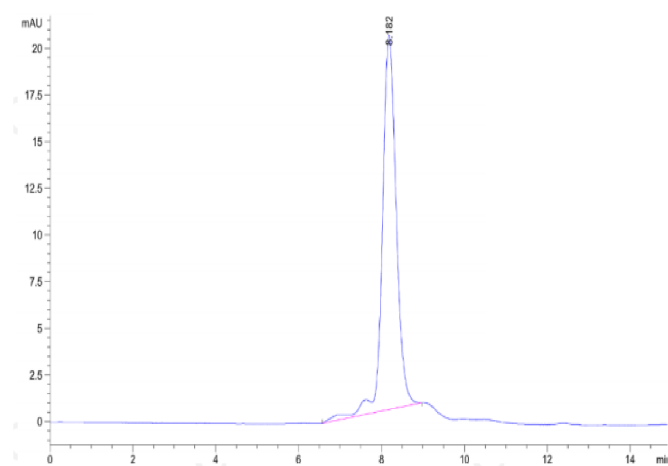
Assay Data

Tris-Bis PAGE



Human Integrin alpha 2B beta 3 (ITGA2B&ITGB3) Heterodimer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human Integrin alpha 2B beta 3 (ITGA2B&ITGB3) Heterodimer is greater than 95% as determined by SEC-HPLC.