# Recombinant Human glycoprotein Ibα, His-tagged, fully sulfated

**Cat. No.** GP1BA-18H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant human GP1BA, fused with an C-terminal hexahistidine tag, was expressed in HEK293-EBNA1 cells. The tyrosine residues at positions 292, 294 and 295 are sulfated. |
| **Species** | Human |
| **Source** | HEK293 |
| **Description** | Glycoprotein Ibα is part of the platelet receptor Glycoprotein Ib-XI-V complex. The Glycoprotein Ib-XI-V complex mediates binding of platelets to sites of vascular damage. This product consists of residues 17-306 of glycoprotein Ibα and contains the binding sites for Von Willebrand Factor, thrombin and botrocetin. The two N-linked glycoslation sites , Asn37 and Asn175, have been removed by mutation to glutamine. |
| **Form** | PBS without preservative. |
| **Molecular Mass** | The calculated molecular weight of recombinant human GpIbα, residues 17-306, is 33.5 kDa. |
| **AA Sequence** | Residues 17-306 |
| **Storage** | - 80 °C (stable for at least 1 year). After thawing it should be stored in appropriate small aliquots at - 20 °C or - 80 °C (stable for at least 2 months). |

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## GENE INFORMATION

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| **Gene Name** | GP1BA glycoprotein Ib (platelet), alpha polypeptide [ Homo sapiens ] |
| **Official Symbol** | GP1BA |
| **Synonyms** | GP1BA; glycoprotein Ib (platelet), alpha polypeptide; GP1B; platelet glycoprotein Ib alpha chain; CD42b; GP-Ib alpha; antigen CD42b-alpha; platelet membrane glycoprotein 1b-alpha subunit; BSS; VWDP; CD42B; GPIbA; BDPLT1; BDPLT3; DBPLT3; CD42b-alpha; MGC34595; |
| **Gene ID** | 2811 |
| **mRNA Refseq** | NM_000173 |
| **Protein Refseq** | NP_000164 |
| **MIM** | 606672 |
| **UniProt ID** | P07359 |
| **Chromosome Location** | 17pter-p12 |
| **Pathway** | ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Formation of Fibrin Clot (Clotting Cascade), organism-specific biosystem; GP1b-IX-V activation signalling, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Hemostasis, organism-specific biosystem; |
| **Function** | protein binding; thrombin receptor activity; |

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