

# Recombinant Human glycoprotein Iba, His-tagged, double sulfated

**Cat. No.** GP1BA-17H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human GP1BA, fused with an C-terminal hexahistidine tag, was expressed in HEK293-EBNA1 cells. In the native protein the tyrosine residues at positions 292, 294 and 295 are sulfated. In this product two of the three tyrosines are sulfated.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Glycoprotein Iba 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 Iba and contains the binding sites for Von Willebrand Factor, thrombin and botrocetin. The two N-linked glycosylation sites, Asn37 and Asn175, have been removed by mutation to glutamine.
<b>Form</b>	PBS without preservative.
<b>Molecular Mass</b>	The calculated molecular weight of recombinant human Gplba, residues 17-306, is 33.5 kDa.
<b>AA Sequence</b>	Residues 17-306
<b>Storage</b>	- 80 °C (stable for at least 1 year). After thawing it should be stored in appropriate

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small aliquots at - 20 °C or - 80 °C (stable for at least 2 months).

## GENE INFORMATION

<b>Gene Name</b>	GP1BA glycoprotein Ib (platelet), alpha polypeptide [ Homo sapiens ]
<b>Official Symbol</b>	GP1BA
<b>Synonyms</b>	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;
<b>Gene ID</b>	2811
<b>mRNA Refseq</b>	NM_000173
<b>Protein Refseq</b>	NP_000164
<b>MIM</b>	606672
<b>UniProt ID</b>	P07359
<b>Chromosome Location</b>	17pter-p12
<b>Pathway</b>	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;

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**Function**

protein binding; thrombin receptor activity;

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