

Recombinant Full Length Human GP1BA Protein, GST-tagged

Cat. No. GP1BA-5462HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GP1BA full-length ORF (AAH27955.1, 1 a.a. - 626 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	626 amino acids
Description	Glycoprotein Ib (GP Ib) is a platelet surface membrane glycoprotein composed of a heterodimer, an alpha chain and a beta chain, that are linked by disulfide bonds. The Gp Ib functions as a receptor for von Willebrand factor (VWF). The complete receptor complex includes noncovalent association of the alpha and beta subunits with platelet glycoprotein IX and platelet glycoprotein V. The binding of the GP Ib-IX-V complex to VWF facilitates initial platelet adhesion to vascular subendothelium after vascular injury, and also initiates signaling events within the platelet that lead to enhanced platelet activation, thrombosis, and hemostasis. This gene encodes the alpha subunit. Several polymorphisms and mutations have been described in this gene, some of which are the cause of Bernard-Soulier syndromes and platelet-type von Willebrand disease. [provided by RefSeq
Molecular Mass	95.4 kDa
AA Sequence	MPLLLLLLLLLPSPLHPHPICEVSKVASHLEVNC DKRNLTALPPDLPKD TTILH LSENLL YTFSLATLMPYTRLTQLNLDRC ELTKLQVDGTL PVLGTLDSLHNQLQSLPLL GQTLPA

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LTVLDVSNRLTSLPLGALRGLGELQELYLKGNELKTLPPGLLTPPKLEKLSLANN
 LTELPAAGLLNGLENLDTLLLQENSLYTIPKGFFGSHLLPFAFLHGNPWLCNCEILYFR
 RWLQDNAENVYVWKQGVDVKAMTSNVAQCDNSDKFPVYKYPGKGCPTLGDEG
 DTDLYDYYPEEDTEGDKVRATRTVVKFPTKAHTTPWGLFYWSASTASLDSQMPSSLH
 PTQESTKEQTTFPPRWTPNFTLHMESITFSKTPKSTTEPTSPSTTSEPVPEPAPNMT
 TLEPTSPSTTPEPTSEPAAPSPTTPEPTPIPTIATSPTILVSATSLITPKSTFLTSTTKPVSL
 LESTKKTIPELDQPPKLRGVLQGHLESSRNDPFLHPDFCCLLPLGFYVLGLFWLLFAS
 VVLILLWSVGHVVKPQALDSGQGAALTTATQTTHLELQRGRQVTVPRAWLLFLRGSL
 PTFRSSFLWVRPNGLPLVAGRRPSALSQGRGQDLLSTVSIRYSGHSL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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;

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Gene ID	2811
mRNA Refseq	NM_000173
Protein Refseq	NP_000164
MIM	606672
UniProt ID	P07359

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