

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	MPLLLLLLLLLPSPLPHPHICEVSKVASHLEVNC DKRNLTALPPDLPKD TTILHLS ENLL YTFSLATLMPYTRLTQLNLDRC ELTKLQVDGTL PVLGTL DLSHNQLQSLPLL GQTLPA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LTVLDVSNRLTSLPLGALRGLGELQELYLKGNELKTLPPGLLTPTPKLEKLSLANN
 LTELPAGLLNLENLDTLLLQENSLYTIPKGGFFGSHLLPFAFLHGNPWLCNCEILYFR
 RWLQDNAENVYVWKQGVDVKAMTSNVASVQCDNSDKFPVYKYPGKGCPTLGDEG
 DTDLYDYYPEEDTEGDKVRATRTRVVKFPTKAHTTPWGLFYWSWSTASLDSQMPSSLH
 PTQESTKEQTTFPPRWTPNFTLHMESITFSKTPKSTTEPTSPSTTSEPVEPAPNMT
 TLEPTSPSTTPEPTSEPAPSPTTPEPTPIPTIATSPTILVSATSLITPKSTFLTTTTKPVSL
 LESTKKTIPELDQPPKLRGVLQGHLESSRNDPFLHPDFCCLLPLGFYVLGLFWLLFAS
 VVLILLSSWVGHVKPQALDSGQGAALTTATQTTHLELQRGRQVTVPRAWLLFLRGS
 PTFRSSLFLWVRPNGRLGPLVAGRRPSALSQGRGQDLLSTVSIRYSGHSL

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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