

Platelet glycoprotein Ib beta chain (GP1BB) Recombinant Protein | GP1BB recombinant protein

Recombinant Human Platelet glycoprotein Ib beta chain (GP1BB), partial

CATALOG # AAA235242	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Platelet glycoprotein Ib beta chain (GP1BB); Recombinant Human Platelet glycoprotein Ib beta chain (GP1BB); partial; GP1BB recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	27-147aa; partial
Sequence	PAPCSCAGTL VDCGRRGLTW ASLPTAFPVD TTELVLGTNN LTALPPGLLD ALPALRTAHL GANPWRCDCR LVPLRAWLAG RPERAPYRDL RCVAPPALRG RLLPYLAEDE LRAACAPGPL C
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for GP1BB recombinant protein	Platelet glycoprotein Ib (GPIb) is a heterodimeric transmembrane protein consisting of a disulfide-linked 140 kD alpha chain and 22 kD beta chain. It is part of the GPIb-V-IX system that constitutes the receptor for von Willebrand factor (VWF), and mediates platelet adhesion in the arterial circulation. GPIb alpha chain provides the VWF binding site, and GPIb beta contributes to surface expression of the receptor and participates in transmembrane signaling through phosphorylation of its intracellular domain. Mutations in the GPIb beta subunit have been associated with Bernard-Soulier syndrome, velocardiofacial syndrome and giant platelet disorder. The 206 amino acid precursor of GPIb beta is synthesized from a 1.0 kb mRNA expressed in platelets and megakaryocytes. A 411 amino acid protein arising from a longer, unspliced transcript in endothelial cells has been described; however, the authenticity of this product has been questioned. Yet another less abundant GPIb beta mRNA species of 3.5 kb, expressed in nonhematopoietic tissues such as endothelium, brain and heart, was shown to result from inefficient usage of a non-consensus polyA signal within a separate gene (sepin 5) located upstream of this gene. In the absence of polyadenylation from its own imperfect site, the sepin 5 gene uses the consensus polyA signal of this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504073
NCBI GeneID	2812
NCBI Accession #	NP_000398.1
NCBI GenBank Nucleotide #	NM_000407.4
UniProt Accession #	P13224; Q14422; Q8NG40
Molecular Weight	43,158 Da

NCBI Official Full Name	platelet glycoprotein Ib beta chain
NCBI Official Synonym Full Names	glycoprotein Ib platelet beta subunit
NCBI Official Symbol	GP1BB
NCBI Official Synonym Symbols	BS; CD42C; GPIBB; BDPLT1; GPIbbeta
NCBI Protein Information	platelet glycoprotein Ib beta chain
UniProt Protein Name	Platelet glycoprotein Ib beta chain
UniProt Gene Name	GP1BB
UniProt Synonym Gene Names	GP-Ib beta; GPIb-beta; GPIbB

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gp1bb-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/235242>