

Active Recombinant Human GP1BB Protein (26-147aa), C-His-tagged

Cat. No. GP1BB-15H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human GP1BB (26-147aa), fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Species	Human
Source	HEK293
ProteinLength	26-147 aa
Description	GP1BB, also known as glycoprotein Ib platelet subunit beta/CD42c, is a member of platelet receptor family. 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. This complex is composed of GPIb alpha attached to GPIb beta and non-covalently complexed with GPIX and GPV. 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 GP1BB have been associated with Bernard–Soulier syndrome, velocardiofacial syndrome and giant platelet disorder.
Form	Liquid
Bio-activity	< 1 EU/μg of protein (determined by LAL method)

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Molecular Mass	14 kDa (131 aa)
AA Sequence	CPAPCSCAGTLVDCGRRGLTWASLPTAFPVDTTELVLTGNNLTALPPGLLDALPALR TAHLGANPWRCDCRLVPLRAWLAGRPERAPYRDLRCVAPPALRGRLLPYLAEDEL RAACAPGPLC
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/mL (determined by Absorbance at 280 nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name	GP1BB glycoprotein Ib (platelet), beta polypeptide [Homo sapiens (human)]
Official Symbol	GP1BB
Synonyms	GP1BB; glycoprotein Ib (platelet), beta polypeptide; platelet glycoprotein Ib beta chain; CD42c; GPIb-beta; GP-Ib beta; antigen CD42b-beta; nuclear localization signal deleted in velocardiofacial syndrome; BS; CD42C; GPIBB; BDPLT1
Gene ID	2812

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mRNA Refseq	NM_000407
Protein Refseq	NP_000398
MIM	138720
UniProt ID	P13224

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