

Recombinant human
glycoprotein Ib
Fully sulfated form N-terminal
domain, deglycosylation mutant



CAT No. G003
LOT No. 1964
product specification sheet: PS-G003

Glycoprotein Ib 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 Ib 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.

Reference sequences: NM_000173
NP_000164 Swiss-
prot P07359
Alternative names: CD42b-
Gplb-
Gene ID: 2811

Residues 17-306 of human Gplba were cloned, the protein was over-expressed in HEK293EBNA1 cells and was purified to homogeneity (figure 1). The tyrosine residues at positions 292, 294 and 295 are sulfated. The calculated molecular weight of recombinant human Gplba, residues 17-306, is 33.5 kDa and it contains an C-terminal hexahistidine tag. Each vial contains 100 µg Gplb at 0.46 mg/ml.

Storage and stability

Gplb should be stored at -80 °C (stable for at least 1 year). The buffer contains PBS without preservative. After thawing it should be stored in appropriate small aliquots at -20 °C or -80 °C (stable for at least 2 months).

Sequence

marplctlllmatlagalagshpicevskvashlevncdkrq|talppd
lpkdttilhisenllytfsiatlmpytrltqlnlrdceltklqvdtlplvlgtd
lshnqlqslpllgqtpalvldvsfnrltslplgalrglgelqelylkgnelk
tlppglltptpkleklslannqltelpagllngenldtllqenslytipkg°
gshllpfa°hgnpwlcnceilyfirvwdnaenvyvwkqgvdvka
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tegdkvraaa

hhhhh

*

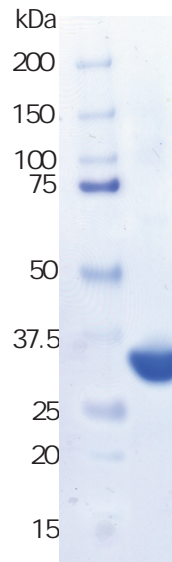


Figure 1. NuPage analysis of purified Gplb

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