

Recombinant
human glycoprotein Iba
Single sulfated form
N-terminal domain, deglycosylation mutant

ImmunoPrecise
orders@immunoprecise.com
www.immunoprecise.com

CAT No. G005
LOT No. A0027
product specification sheet: PS-G005
45 ug

Product description

Glycoprotein Iba 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 Iba 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
Alternative names: P07359
CD42b-a
Gene ID: Gplb-a
2811

Residues 17-306 of human Gplba were cloned, the protein was over-expressed in HEK293EBNA1 cells and was purified to homogeneity (figure 1). In the native protein the tyrosine residues at positions 292, 294 and 295 are sulfated. In this product one of the three tyrosines 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 50 µg Gplba at 0.090 mg/ml.

Storage and stability

Gplba 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

marplctllllmatlagalagshpicevskvashlevncdkrqltalppd
lpkdttilhsenllytfslatlmpytrltqlnlrcltqlkqvdtlplvgtld
lshnqlqslpllgqtlpaltvldvsfnrltslplgalrgelqelylkgnelk
tlppglltptpkleklslannqltelpagllnglenldtllqenslytipkg°
gshllpfa~hgnpwlcnceilyfrrwlqdnaenvyvwkqgvdkva
mtsnvasvqcdnsdkfpvykypgkgcptlgdegdtdldyyppeed
tegdkvraaahhhhh*



Figure 1. NuPage analysis of purified Gplba

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