

## Recombinant human glycoprotein Iba

Fully sulfated form, N-terminal domain, deglycosylation mutant

Catalog G003 - 0.1 mg  
Lot 1964

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### 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 P07359

Alternative names: CD42b-a  
Gplb-a

Gene ID: 2811

Residues 17-306 of human Gplb $\alpha$  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 Gplb $\alpha$ , residues 17-306, is 33.5 kDa and it contains an C-terminal hexahistidine tag. Each vial contains 100  $\mu$ g Gplb $\alpha$  at 0.46  $\mu$ g/ $\mu$ l.

### 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

marplctlllmatlagalagshpicevskvashlevncdkrqltalppd  
lpkdttilhsenllytfslatlmpytrltqlndrceltklqvdtlplvltld  
lshnqlqslpllggtlpaltvldvsfnrltslplgalrglgelqelylkgnelk  
tlppglltptpkleklsannqltelpagllnglenldtllqenslytipkg  
ffgshllpfafhgnpwlcnceilyfrrwlqdnaenvyvwkqgvdvka  
mtsnvasvqcdnsdkfpvykypgkgcptlgdegdtdlydyypeed  
tegdkvraaa**hhhhhh**\*

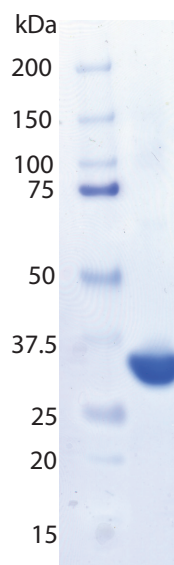


Figure 1. NuPage analysis of purified Gplba

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The product is not for use in humans

The product can only be used for internal research and development

The product can not be used in any commercial activity (commercial use includes, but is not limited to, 1) preparation of growth media with the purpose of sale, 2) R&D activities for third parties)

The product can not be resold.

Please contact [bd@immunoprecise.com](mailto:bd@immunoprecise.com) to inquire about further information.

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