Recombinant human glycoprotein Ibα

Fully sulfated form
N-terminal domain, deglycosylation mutant

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Product description

Glycoprotein Ibα 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 Ibα and contains the binding sites for Von Willebrand Factor, thrombin and botrocetin. The two N-linked glycoslation sites , Asn37 and Asn175, have been removed by mutation to glutamine.

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

Residues 17-306 of human GpIba 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 GpIba, residues 17-306, is 33.5 kDa and it contains an C-terminal hexahistidine tag. Each vial contains 100 µg GpIbα at 0.46 mg/ml.

Storage and stability

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

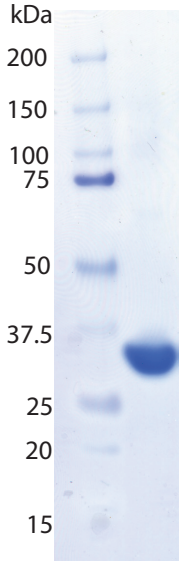

Figure 1. NuPage analysis of purified GpIbα

Sequence

marplctllllmatlagalagshpicevskvashlevncdkrqltalppd
lpkdttilhlsenllytfslatlmpytrltqlnldrceltklqvdgtlpvlgtld
lshnqlqslpllgqtlpaltvldvsfnrltslplgalrglgelqelylkgnelk
tlppgllтptpkleklslannqltelpagllnglenldtlllqenslytipkg
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tegdkvraaahhhhhh*

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