

Recombinant human glycoprotein Iba

Double sulfated form

N-terminal domain, deglycosylation mutant

Catalog G004

Lot A0026

product specification sheet: PS-G004



Life Sciences Incubator

Yalelaan 62

3584 CM Utrecht

The Netherlands

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 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 two 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 100 µg Gplba at 0.31 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

marplctlllmatlagalagshpicevskvashlevncdkrqltalppd
lpkdttilhsenlytfslatlmpytrltqlndrcelctklqvdgtlpvlgtd
lshnqlqslpllgqtlpaltvldvsfnrltspalgalrgelqelylkgnelk
tlppglltptpkleklsannqltelpagllnglenldtllqenslytipkg
ffgshllpfafhgnpwlcnceilyfrrwlqdnaenvyvwkqgvdvka
mtsnvasvqcdnsdkfpvykypgkgcptlgdegdtdlydyypeed
tegdkvraaahhhhh*

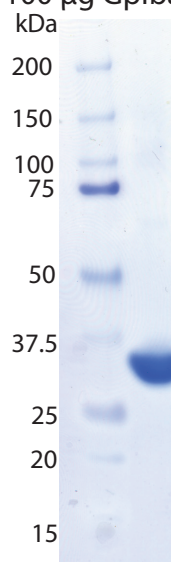


Figure 1. NuPage analysis of purified Gplba

PRODUCT USE LIMITATIONS, WARRANTY, DISCLAIMER

U-Protein Express BV products contain chemicals which may be harmful if misused. Due care should be exercised with all U-Protein Express BV products to prevent direct human contact. All products are intended For Research Use Only and ARE NOT ALLOWED FOR USE IN HUMANS. Each U-Protein Express BV product is shipped with documentation stating specifications and other technical information. U-Protein Express BV products are warranted to meet or exceed the stated specifications. U-Protein Express BV's sole obligation and the customer's sole remedy is limited to replacement of products free of charge in the event products fail to perform as warranted. U-Protein Express BV makes no other warranty of any kind whatsoever, and SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES OF ANY KIND OR NATURE WHATSOEVER, DIRECTLY OR INDIRECTLY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, AS TO THE SUITABILITY, PRODUCTIVITY, DURABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE, MERCHANTABILITY, CONDITION, OR ANY OTHER MATTER WITH RESPECT TO U-Protein Express BV PRODUCTS. In no event shall U-Protein Express BV be liable for claims for any other damages, whether direct, incidental, foreseeable, consequential, or special (including but not limited to loss of use, revenue or profit), whether based upon warranty, contract, tort (including negligence) or strict liability arising in connection with the sale or the failure of U-Protein Express BV products to perform in accordance with the stated specifications.

Version 11/2018

page 1