

Recombinant VWF-A1 domain, human, residues 1261-1468, VWD type 2B

Catalog V002 - 0.1 mg
Lot 1553

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Product description

Human Von Willebrand Factor (VWF) is a multimeric glycoprotein, which is involved in binding coagulation factor VIII and in adhesion of platelets at sites of vascular damage. In this process the platelet receptor glycoprotein Ib-IX-V complex binds to the VWF-A1 domain. The VWF-A1 variant in this product contains Von Willebrand Disease type 2B mutation R1306Q, which induces spontaneous binding of the VWF-A1 domain to platelet receptor Gplb-IX-V complex.

Reference sequences: NM_000552
NP_000543
Swiss-prot P04275

Alternative names: Von Willebrand antigen II
Von Willebrand Factor
F8VWF

Gene ID: 7450

Residues 1261-1468 of human VWF containing mutation R1306Q were cloned, the protein was over-expressed and was purified to homogeneity (figure 1). The calculated molecular weight of recombinant human VWF-A1 domain is 23.8 kDa. Each vial contains 100 µg VWF-A1 at 8.14 mg/ml.

Storage and stability

VWF-A1 should be stored at - 80 °C (stable for at least 1 year). The buffer contains 25 mM Tris 350 mM NaCl pH 7.8 without preservative. After thawing it should be stored in appropriate small aliquots at - 20 °C or - 80 °C (stable for at least 2 months). For maximal stability the concentration NaCl should be at least 100 mM.

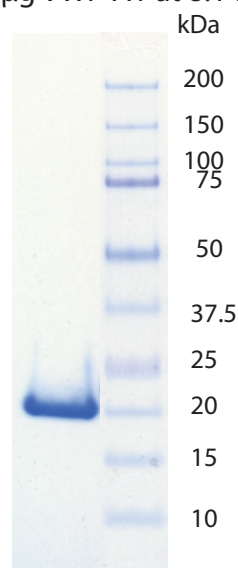


Figure 1.
NuPage analysis of
purified VWF-A1

Production platform:

This product has been produced in HEK293 cells using the rPEX™ recombinant protein production platform.

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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 to inquire about further information.

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