

Recombinant VWF-A1-A2-A3-(his)C domain Human, residues 1261-1874

Catalog V011 - 0.1 mg
Lot 5084

Life Sciences Incubator
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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 the process of platelet adhesion VWF binds to exposed collagen via the A3 domain, followed by binding of the A1 domain to platelet receptor glycoprotein Ib-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 1261-1874 of human VWF were cloned, the protein was over-expressed using rPEX™ technology and was purified to homogeneity (figure 1). The calculated molecular weight of recombinant human VWF-A1-A2-A3-(his)C is 68.9 kDa. Each vial contains 110 µg VWF-A1 at 1.09 mg/ml.

Protein sequence

gsdispeplhdfycsrllldvlfdgssrlseaevevlkafvvdmmerrlrisqkwrvavveyhdgshayiglkdrkrps
elrriasqvkyagsqvastsevlkytlfqiifskidrpasrialllmasqepqrmrnfrvryvqglkkkvivipvgigpha
nlkqirlielkqapenkafvlssvdeleqqrdvsvlycdlapeappptlppdmaqvvtvgpgllgvstlgpkrmnmvld
vafvlegskdigeadfnrskfmeeviqrmdvgqdsihvtvlqysymvtvvepfseaqskgdilqlrreiryqggnt
ntglalrylsdhsflvsqgdreqapnlvymvtgnpasdeikrlpgdiqvvpigvgpnanvqelerigwvnapiliqdf
etlpreapdlvlqrccsgeglqiptlspapdcspqldvilldgsssfasyfdemksfakafiskanigprltqsvlqyg
sittidvpwnvvpkahlslvdvmqreggspqigdalgfavryltsemhgarpgaskavviltvsvdsdaaad
aarsnrvtvpigigdrydaaqlrilagpagdsnnvklqriedlptmvtlgnslhklcsgaaahhhhhh*

Storage and stability

VWF-A1-A2-A3-(his)C 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.

Product label

V011 vWF-A1-A2-A3-(his)C
1,09 mg/ml in 25 mM tris 350 mM NaCl pH 7.8
Batch 5084

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The product can not be used in any commercial activity (commercial use includes, but is not limited to R&D activities for third parties)
The product can not be resold.
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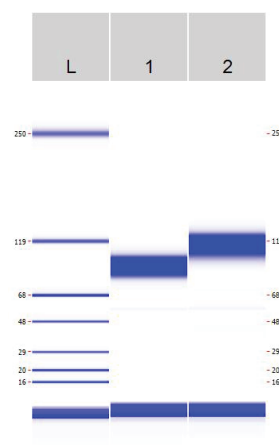


Figure 1.
LabChip analysis of
purified VWF-A1-A2-A3-(his)C