

## Recombinant VWF-A1-A2-A3-R1597Q-(his)C Human, residues 1261-1874

Catalog V012 - 0.1 mg  
Lot 5467

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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 which contains vWD type 2A mutation R1597Q 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-R1597Q-(his)C is 68.7 kDa. Each vial contains 110 µg VWF-A1 at 1.00 mg/ml.

### Protein sequence

gsdisepplhdfycsrllldvflldgssrlseaevevlkafvvdmmerrlrisqkwrvavveyhdgshayiglkdrkrps  
elrriasqvkyagsqvastsevlkytlfqiifskidrpasrialllmasqepqrmnsrnfryvqglkkkvivipvgigpha  
nlkqirlielkqapenkafvlssvdeleqqrdeivsyldlapeappptlppdmaqvvtvgpgllgvstlgpkrrnsmvld  
vafvlegskdigeadfnrskfmeeviqrmdvgqdsihvtvlqysymvtveypfseaqsgkdilqlrreiryqggnt  
ntglalrylsdhsflvsqgdqeqapnlvymvtgnpasdeikrlpgdiqvpigvgpnanvqelerigwvnapiliqd  
fetlpreapdlvlqrccsgeglqiptlspapdcspqldvilldggsssfasyfdemksfakafiskanigprltqvsvlqy  
gsittidvpwnvvpkahlslvdvmqreggpsqigdalgfavryltsemhgarpqgaskavviltdvsvdsvdaaa  
daarsnrvtvpigigdrydaaqlrilagpagdsnvvklqriedlptmvtlgnslfhlkclsgaaahhhhh\*

### Storage and stability

VWF-A1-A2-A3-R1597Q-(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

V012 vWF-A1-A2-A3-R1597Q-(his)C  
1 mg/ml in 25 mM tris 350 mM NaCl pH 7.8  
Batch 5467

### PRODUCT USE LIMITATIONS, WARRANTY, DISCLAIMER

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 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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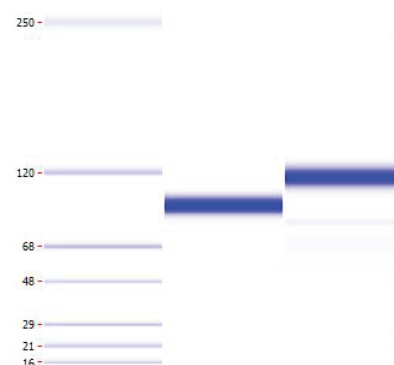


Figure 1.  
LabChip analysis of purified  
VWF-A1-A2-A3-R1597Q-(his)C