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Recombinant Human von Willebrand factor/vWF Protein

Catalog No.: RP02119 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	7450	P04275

Tags
C-His

Synonyms
F8VWF; VWD;VWF;VWD

Product Information

Source	Purification
CHO Cells	≥ 75 % as determined by SDS-PAGE.

Calculated MW	Observed MW
308 kDa	260, 350 kD

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Background

Von Willebrand Factor (VWF) is a multimeric glycoprotein involved in hemostasis in blood, binds receptors on the surface of platelets and in connective tissue, thereby mediating the adhesion of platelets to sites of vascular injury. From studies it appears that VWF protein uncoils under these circumstances, decelerating passing platelets. VWF protein is deficient or defective in von Willebrand disease (VWD) and is involved in a large number of other diseases, including thrombosis, thrombotic thrombocytopenic purpura, Stroke, Heydes syndrome, possibly hemolytic-uremic syndrome and so on.

Basic Information

Description
Recombinant Human von Willebrand factor/vWF Protein is produced by CHO Cells expression system. The target protein is expressed with sequence (Met1-Lys2813) of human von Willebrand factor/vWF (Accession #AAB59458.1) fused with 6×His tag at the C-terminus.

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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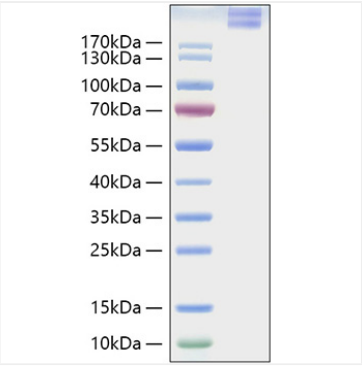
Validation Data



Recombinant Human von Willebrand factor/vWF Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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