Recombinant Human von Willebrand factor/vWF Protein

Catalog No.: RP02119

Sequence Information

Species
Human

Gene ID
7450

Swiss Prot
P04275

Tags
C-His

Synonyms
F8VWF, VWD,VWF,VWD

Product Information

Source
CHO Cells

Purification
≥ 75 % as determined by SDS-PAGE.

Calculated MW
308 kDa

Observed MW
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.

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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

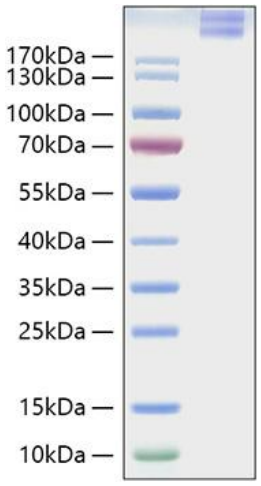
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



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