


Active Recombinant Human Full Length VWF protein, His tagged

Cat. No. VWF-894H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human Full Length VWF protein(AAB59458.1) (Met1-Lys2813) was expressed in CHO with a C-terminal polyhistidine tag.
Species	Human
Source	CHO
ProteinLength	1-2813 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Immobilized BDD-FVIII at 2 µg/mL (100 µL/well) can bind Recombinant Human vWF Protein (His Tag), with a linear range of 0.16-4.0 µg/mL.
Molecular Mass	The secreted recombinant human vWF consists of 2802 amino acids after removal of the signal peptide and has a predicted molecular mass of 308 kDa. Purified rhvWf exists as both the pro form with the pro peptide (307 kDa) and the mature form (226 kDa), which migrates as doublets with apparent molecular mass of 260 and 350 kDa respectively in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	≥ 75 % as determined by SDS-PAGE. ≥ 95 % as determined by SEC-HPLC.

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	VWF von Willebrand factor [Homo sapiens]
Official Symbol	VWF
Synonyms	VWF; von Willebrand factor; F8VWF; coagulation factor VIII VWF; VWD;
Gene ID	7450
mRNA Refseq	NM_000552
Protein Refseq	NP_000543
MIM	613160
UniProt ID	P04275

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