

Active Recombinant Human VWF protein, Met/His-tagged

Cat. No. VWF-2712H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human VWF(Asp1498-Val1665) fused with Met/His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1498-1665 a.a.
Predicted N Terminal	Met
Form	Supplied as a 0.2 µm filtered solution in Tris, NaCl and Glycerol.
Bio-activity	Measured by its ability to be used as a protein substrate for ADAMTS13. >50% of rhvWF-A2 is cleaved as measured under the described conditions.
Molecular Mass	Predicted Molecular Mass: 20 kDa;SDS-PAGE: 18 kDa, reducing conditions.
Endotoxin	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	Avoid repeated freeze-thaw cycles.6 months from date of receipt, -20 to -70 centigrade as supplied.3 months, -20 to -70 centigrade under sterile conditions after opening.

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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
Chromosome Location	12p13.3
Pathway	Blood Clotting Cascade, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Focal Adhesion, organism-specific biosystem;
Function	chaperone binding; collagen binding; glycoprotein binding; immunoglobulin binding; integrin binding; protease binding; protease binding; protein N-terminus binding; protein binding; protein homodimerization activity;

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