

## Active Recombinant Human VWF protein, Met/His-tagged

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

### SPECIFICATION

|                             |                                                                                                                                                                            |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human VWF(Asp1498-Val1665) fused with Met/His tag at N-terminal was expressed in E. coli.                                                                      |
| <b>Species</b>              | Human                                                                                                                                                                      |
| <b>Source</b>               | E.coli                                                                                                                                                                     |
| <b>ProteinLength</b>        | 1498-1665 a.a.                                                                                                                                                             |
| <b>Predicted N Terminal</b> | Met                                                                                                                                                                        |
| <b>Form</b>                 | Supplied as a 0.2 µm filtered solution in Tris, NaCl and Glycerol.                                                                                                         |
| <b>Bio-activity</b>         | 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.                            |
| <b>Molecular Mass</b>       | Predicted Molecular Mass: 20 kDa;SDS-PAGE: 18 kDa, reducing conditions.                                                                                                    |
| <b>Endotoxin</b>            | <1.0 EU per 1 µg of the protein by the LAL method.                                                                                                                         |
| <b>Purity</b>               | >90%, by SDS-PAGE under reducing conditions and visualized by silver stain                                                                                                 |
| <b>Storage</b>              | 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

|                            |                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | VWF von Willebrand factor [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                            |
| <b>Official Symbol</b>     | VWF                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>            | VWF; von Willebrand factor; F8VWF; coagulation factor VIII VWF; VWD;                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene ID</b>             | 7450                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>         | NM_000552                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>      | NP_000543                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>MIM</b>                 | 613160                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>UniProt ID</b>          | P04275                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Chromosome Location</b> | 12p13.3                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pathway</b>             | 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; |
| <b>Function</b>            | 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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