

## Recombinant Mouse Vwf protein, His-tagged

**Cat. No.** Vwf-1432M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Vwf(Asp1498~Val1665) fused with His tag at N-terminal was expressed in E. coli.                                                                                                |
| <b>Species</b>          | Mouse                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                           |
| <b>ProteinLength</b>    | Asp1498~Val1665                                                                                                                                                                                  |
| <b>Description</b>      | Vwf played an important role in many functions.                                                                                                                                                  |
| <b>Form</b>             | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                          |
| <b>Molecular Mass</b>   | 20.4kDa                                                                                                                                                                                          |
| <b>AA Sequence</b>      | DVV FVLEGSDEVG EANFNKSKEF VEEVIQRMDV SPDATRISVL QYSYTVTMEY<br>AFNGAQSKEE VLRHVREIRY QGGNRTNTGQ ALQYLSEHSF SPSQGDRVEA<br>PNLVYMTGN PASDEIKRLP GDIQVPIGV GPHANMQELE RISRPIAPIF<br>IRDFETLPRE APDLV |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                     |
| <b>Purity</b>           | > 90%                                                                                                                                                                                            |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP; CoIP; ReporterAssays; Purification; Amine Reactive                                                                                                                      |

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|                            |                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | Labeling                                                                                                                                                                                                                                                                                                                                     |
| <b>Stability</b>           | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>             | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Reconstitution</b>      | Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                              |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>           | <a href="#">Vwf Von Willebrand factor homolog [ Mus musculus ]</a>                                                                                                                                                                                                                                                                           |
| <b>Official Symbol</b>     | <a href="#">Vwf</a>                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>            | VWF; Von Willebrand factor homolog; von Willebrand factor; VWD; F8VWF; AI551257; C630030D09; 6820430P06Rik; B130011O06Rik;                                                                                                                                                                                                                   |
| <b>Gene ID</b>             | <a href="#">22371</a>                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>         | <a href="#">NM_011708</a>                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>      | <a href="#">NP_035838</a>                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>          | <a href="#">Q8CIZ8</a>                                                                                                                                                                                                                                                                                                                       |
| <b>Chromosome Location</b> | 6 F3; 6 59.32 cM                                                                                                                                                                                                                                                                                                                             |

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**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; protein N-terminus binding; protein binding; protein homodimerization activity;

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