

## Recombinant Human vWF Protein (His Tag)

Catalog No. PKSH031331

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

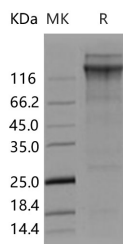
### Description

|                                    |                                   |
|------------------------------------|-----------------------------------|
| <b>Synonyms</b>                    | F8VWF; Von Willebrand Factor; VWD |
| <b>Species</b>                     | Human                             |
| <b>Expression Host</b>             | CHO Stable Cells                  |
| <b>Sequence</b>                    | Met 1-Lys 2813                    |
| <b>Accession</b>                   | NP_000543.2                       |
| <b>Calculated Molecular Weight</b> | 308.0 kDa                         |
| <b>Observed molecular weight</b>   | 260&350 kDa                       |
| <b>Tag</b>                         | C-His                             |
| <b>Bioactivity</b>                 | Not validated for activity        |

### Properties

|                       |                                                                                                                                                                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 75 % as determined by reducing SDS-PAGE.                                                                                                                                                                                            |
| <b>Endotoxin</b>      | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                       |
| <b>Storage</b>        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.                                                                                                                                                       |
| <b>Formulation</b>    | Lyophilized from sterile PBS, pH 7.4<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual.            |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.                                                                                                                                                                          |

### Data



> 75 % as determined by reducing SDS-PAGE.

### 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

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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, Heyde's syndrome, possibly hemolytic-uremic syndrome and so on.