



# Recombinant Protein Technical Manual

## Recombinant Human vWF Protein (His Tag)

RPES2373

### Product Data:

**Product SKU:** RPES2373

**Size:** 50µg

**Species:** Human

**Expression host:** CHO Stable Cells

**Uniprot:** NP\_000543.2

### Protein Information:

**Molecular Mass:** 308 kDa

**AP Molecular Mass:** 260 & 350 kDa

**Tag:** C-His

**Bio-activity:**

**Purity:** > 75 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** 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.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from sterile PBS, pH 7.4

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** F8VWF; Von Willebrand Factor; VWD

## Immunogen Information:

**Sequence:** Met 1-Lys 2813

## 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 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.