

## HUMAN VWF(1596-1668) PROTEIN, HFC TAG

**Cat.#:** 11980

**Product Name:** Human VWF(1596-1668) Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** F8VWF;VWD

**Target:** VWF

**UNIPROT ID:** P04275

**Description:** Recombinant Human VWF(1596-1668) Protein with N-terminal human Fc tag

**Background:** This gene encodes a glycoprotein involved in hemostasis. The encoded preproprotein is proteolytically processed following assembly into large multimeric complexes. These complexes function in the adhesion of platelets to sites of vascular injury and the transport of various proteins in the blood. Mutations in this gene result in von Willebrand disease, an inherited bleeding disorder. An unprocessed pseudogene has been found on chromosome 22. [provided by RefSeq, Oct 2015]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 34.2 kDa after removal of the signal peptide. The apparent molecular mass of hFc-VWF(1596-1668) is approximately 35-55 kDa due to glycosylation.

**Molecular Characterization:** hFc(Glu99-Ala330) VWF(Asp1596-Arg1668)

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Human VWF(1596-1668) Protein, hFc Tag on SDS-PAGE under reducing condition.