

HUMAN TIMP4 PROTEIN, HFC TAG**Cat.#:** 11553**Product Name:** Human TIMP4 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** TIMP-4**Target:** TIMP4**UNIPROT ID:** Q99727**Description:** Recombinant human TIMP4 protein with C-terminal human Fc tag**Background:** This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. The secreted, netrin domain-containing protein encoded by this gene is involved in regulation of platelet aggregation and recruitment and may play role in hormonal regulation and endometrial tissue remodeling. [provided by RefSeq, Jul 2008]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 48.6 kDa after removal of the signal peptide. The apparent molecular mass of TIMP4-hFc is approximately 55–70 kDa due to glycosylation.**Molecular Characterization:** TIMP4(Cys30-Pro224) hFc(Glu99-Ala330)**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.

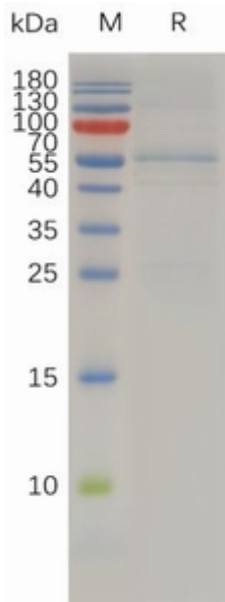


Figure 1. Human TIMP4 Protein, hFc Tag on SDS-PAGE under reducing condition.