

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.

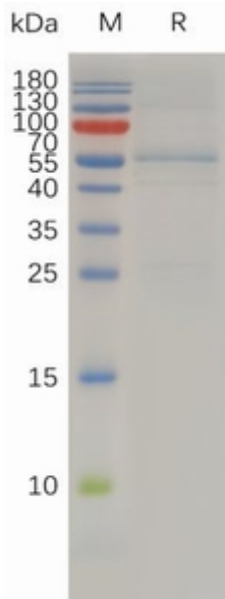


Figure 1. Human TIMP4 Protein, hFc Tag on SDS-PAGE under reducing condition.