

Recombinant Human TIMP-1/TIMP1 Protein (His Tag)

RPES5039

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES5039

Purity: > 97 % as determined by reducing SDS-PAGE.

Contents: 20µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

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

Synonyms: CLGI, Collagenase Inhibitor, EPA, EPO, Erythroid-Potentiating Activity, Fibroblast collagenase Inhibitor, HCl, Metalloproteinase Inhibitor 1, TIMP, TIMP-1, TIMP1, Tissue Inhibitor of Metalloproteinases 1

Storage: 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.
Store Bradford Reagent at Room Temperature for 1 year.

Tag: C-His

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

Expression Host: HEK293 Cells

Bio-Activity: Measured by its ability to inhibit human MMP-2 cleavage of a fluorogenic peptide substrate MCA-PLGL-DPA-AR-NH₂ (R&D Systems, Catalog # ES001). The IC₅₀ value is < 6 nM.

Calculated MW: 22 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Observed MW: 30 kDa

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

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Accession: NP_003245.1

Source: HEK293 Cells-derived Human TIMP-1/TIMP1 protein Met 1-Ala 207, with an C- terminal His

Sequence: Met 1-Ala 207

Form: Lyophilized powder

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

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