

# Human TIMP2 Recombinant Protein



RPPB2326

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## Product Information    Protein Information

**Product SKU:**

RPPB2326

**Accession:**

P16035

**Host:**

HEK293 Cells.

**Protein description:**

TIMP2 Human Recombinant produced in HEK-293 cells is a secreted protein with the sequence of Human TIMP-2 (amino acids Cys27-Pro220) and is fused to a polyhistidine tag at the C-terminus.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

TIMP metalloproteinase inhibitor 2, CSC-21K, tissue inhibitor of metalloproteinase 2, TIMP-2, metalloproteinase inhibitor 2.

**Formulation:**

The TIMP2 protein was lyophilized after extensive dialysis against PBS.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized TIMP2 in sterile assay buffer (50mM Tris, 10mM CaCl<sub>2</sub>, 150mM NaCl, 0.05% Brij-35, PH 7.5) not less than 100µg/ml.

**Stability:**

Lyophilized TIMP2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TIMP2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Biological Activity:**

The IC<sub>50</sub> of 3 nM is measured by its ability to inhibit recombinant human MMP-2 cleavage of the colorimetric peptide substrate, Mca-PLGL-DpaAR-NH<sub>2</sub>.