

Human TIMP1 Recombinant Protein



RPPB2320

Product Information Protein Information

Product SKU:

RPPB2320

Accession:

P01033

Host:

HEK293 Cells.

Protein description:

TIMP1 Human Recombinant produced in HEK-293 cells is a secreted protein with the sequence of Human TIMP-1 (amino acids Cys24-Ala207) and fused to a polyhistidine tag at the C-terminus.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Metalloproteinase inhibitor 1, Tissue inhibitor of metalloproteinases, TIMP-1, Erythroid-potentiating activity, EPA, TIMP1, CLGI, TIMP, EPO, HCl, FLJ90373.

Formulation:

The TIMP1 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 TIMP1 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized TIMP1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TIMP1 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 IC₅₀ of 2.5-4 nM is measured by its ability to inhibit recombinant human MMP-2 cleavage of the colorimetric peptide substrate, Mca-PLGL-DpaAR-NH₂.