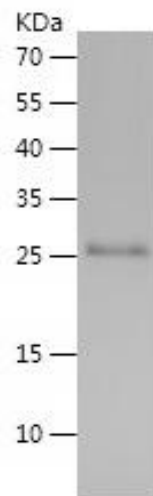


Recombinant Human TIMP-1

Catalogue No.:	P2407
Species:	Human
Uniprot ID:	P01033
Expression Region:	24-207
Host:	HEK293 cells
Tags:	C-terminal His Tag
Molecular Weight:	28 kDa under reducing conditions
Purity:	Greater than 90% as determined by SDS-PAGE.
Activity:	Measured by its ability to inhibit human MMP-2 cleavage of a fluorogenic peptide substrate MCA-PLGL-DPA-AR-NH ₂ . The IC ₅₀ value is < 5 nM.
Formulation:	Lyophilized from a 0.2 µm filtered solution in 10 mM Hepes, 150 mM NaCl with 5% trehalose, pH7.4.
Reconstitution:	Centrifuge the vial before opening, reconstitute in sterile distilled water to a concentration of 0.1-1 mg/ml by gently pipetting 2-3 times, don't vortex.
Synonyms:	CLGI, Collagenase inhibitor, EPA, EPO, HCI, Metalloproteinase inhibitor 1, TIMP, TIMP 1, TIMP1

Storage:

The lyophilized protein is stable at -20 °C for up to 1 year. After reconstitution, the protein solution is stable at -20 to -80 °C for 3 months or 1 week at 2 to 8 °C under sterile conditions. For extended storage, it is recommended to further dilute in working aliquots, avoid repeated freeze/thaw cycle.

SDS-PAGE:**Safety Note:**

This product is intended for research and manufacturing uses only. It is not a diagnostic device. Product degradation will result from multiple freeze/thaw cycles. It is suggested that the antigen be stored in use size aliquots and thawed just prior to use. This material has been inactivated, however as with all biological materials, it should be handled as potentially infectious. The user assumes all responsibility for care, custody and control of the material, including its disposal, in accordance with all regulations.