

Active Recombinant Human TIMP1 protein, His-tagged

Cat. No. TIMP1-878H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TIMP1 protein(NP_003245.1) (Met 1-Ala 207) with a C-terminal polyhistidine tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-207 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-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 < 6 nM.
Molecular Mass	The secreted recombinant human TIMP1 comprises 195 amino acids with a predicted molecular mass of 22 kDa. As a result of glycosylation, rhTIMP1 migrates as an approximately 30 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
protein Refseq-Weblink	http://www.ncbi.nlm.nih.gov/protein/NP_003245.1
Unit ID	P01033
Unit ID-Weblink	http://www.uniprot.org/uniprot/P01033
GENE INFORMATION	
Gene Name	TIMP1 TIMP metalloproteinase inhibitor 1 [Homo sapiens]
Official Symbol	TIMP1
Synonyms	TIMP1; TIMP metalloproteinase inhibitor 1; CLGI, TIMP, tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor); metalloproteinase inhibitor 1; EPO; TIMP-1; collagenase inhibitor; erythroid potentiating activity; erythroid-potentiating activity; fibroblast collagenase inhibitor; tissue inhibitor of metalloproteinases 1; EPA; HCI; CLGI; TIMP; FLJ90373;
Gene ID	7076
mRNA Refseq	NM_003254
protein Refseq	NP_003245
MIM	305370

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