

TIMP-1 recombinant protein

Recombinant Human TIMP-1 protein (His tag)

CATALOG # AAA178169	HOST HEK293 Cells-derived Human TIMP-1 protein Met1-Ala207, with an C-terminal His
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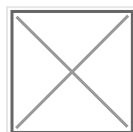
PRODUCT SYNONYMS

TIMP-1; Recombinant Human TIMP-1 protein (His tag); Metalloproteinase Inhibitor 1; Erythroid-Potentiating Activity; EPA; Fibroblast collagenase Inhibitor; Collagenase Inhibitor; Tissue Inhibitor of Metalloproteinases 1; TIMP1; CLGI; TIMP; EPO; HCI; TIMP-1 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells-derived Human TIMP-1 protein Met1-Ala207, with an C-terminal His
Purity/Purification	>95 % as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered solution in PBS with 5% Trehalose and 5% Mannitol
Sequence	Met1-Ala20 7
Endotoxin	< 1.0 EU/mg of the protein as determined by the LAL method
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/ml. Concentration is measured by UV-Vis
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TIMP-1 recombinant protein	Tissue Inhibitor of Metalloproteinases 1 (TIMP-1) is a member of TIMP family. The homologous proteins of TIMPs regulate the activity of matrix metalloproteinases (MMPs), including inhibition of active MMPs, proMMP activation, cell growth promotion, matrix binding, inhibition of angiogenesis and the induction of apoptosis. Timp-1 complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. It also mediates erythropoiesis in vitro; but, unlike IL-3, it is species-specific, stimulating the growth and differentiation of only human and murine erythroid progenitors. It is known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-11, MMP-12, MMP-13, and MMP-16, without MMP-14.
Product Categories/Family for TIMP-1 recombinant protein	Signal Transduction ; Cell biology ; Cardiovascular ; Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507509
NCBI GeneID	7076

NCBI Accession #	NP_003245.1
NCBI GenBank Nucleotide #	NM_003254.2
UniProt Accession #	P01033 ; Q14252 ; Q9UCU1
Molecular Weight	22.7 kDa
NCBI Official Full Name	metalloproteinase inhibitor 1
NCBI Official Synonym Full Names	TIMP metalloproteinase inhibitor 1
NCBI Official Symbol	TIMP1
NCBI Official Synonym Symbols	EPA; EPO; HCI; CLGI; TIMP
NCBI Protein Information	metalloproteinase inhibitor 1; TIMP-1; collagenase inhibitor; erythroid potentiating activity; erythroid-potentiating activity; fibroblast collagenase inhibitor; tissue inhibitor of metalloproteinases 1
UniProt Protein Name	Metalloproteinase inhibitor 1
UniProt Gene Name	TIMP1
UniProt Synonym Gene Names	CLGI; TIMP; EPA; Collagenase inhibitor; TIMP-1
UniProt Entry Name	TIMP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/timp1-recombinant-protein-hek293-cells-derived-human-timp-1-protein-met1-ala207-with-an-c-terminal-his/178169>