

Recombinant Human TIMP1 Protein, MBP-tagged

Cat. No. TIMP1-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TIMP1 Protein (1-207 aa (full-length)) with MBP tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-207
Description	This gene belongs to the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. In addition to its inhibitory role against most of the known MMPs, the encoded protein is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function. Transcription of this gene is highly inducible in response to many cytokines and hormones. In addition, the expression from some but not all inactive X chromosomes suggests that this gene inactivation is polymorphic in human females. This gene is located within intron 6 of the synapsin I gene and is transcribed in the opposite direction.
Molecular Mass	67.8 kDa
Purity	>90% confirmed by 10% SDS-PAGE stained with Coomassie Blue (CB).
Applications	ELISA, Western Blot, Antibody Production, Protein array

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Quality Control Test	10% SDS-PAGE stained with Coomassie Blue (CB), immunoblotting with anti-MBP (WB) and peptide fingerprinting by MALDI-TOF mass spectrometry.
Storage	Store working aliquots at 4 centigrade for up to one week. For extended storage, conserve at -80 centigrade.
Expiry	12 months from the date of purchase, if it is properly stored.
Storage Buffer	20mM Tris-HCl , 0.2M NaCl, 1 mM EDTA and 10mM Maltose, pH: 7.4. No preservatives added.
Shipping	Dry Ice

GENE INFORMATION

Gene Name	TIMP1 TIMP metalloproteinase inhibitor 1 [Homo sapiens (human)]
Official Symbol	TIMP1
Synonyms	TIMP1; TIMP metalloproteinase inhibitor 1; EPA; EPO; HCI; CLGI; TIMP; TIMP-1; metalloproteinase inhibitor 1; collagenase inhibitor epididymis secretory sperm binding protein; erythroid potentiating activity; fibroblast collagenase inhibitor; tissue inhibitor of metalloproteinases 1
Gene ID	7076
mRNA Refseq	NM_003254
Protein Refseq	NP_003245
MIM	305370

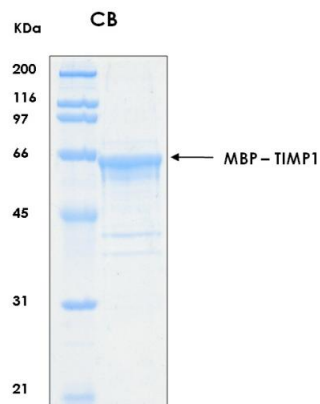
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