

Native Human TIMP1

Cat. No. TIMP1-30840TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TIMP1 is purified from stimulated human fibroblasts, and is essentially free of contaminating MMPs or other known TIMPs.
Species	Human
Source	Human Fibroblasts
Description	<p>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.</p>
Form	Liquid
Purity	>95 % by SDS-PAGE.
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 50% Glycerol, PBS, pH 7.4

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Concentration 0.1 mg/ml

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; FLJ90373; tissue inhibitor of metalloproteinase 1; erythroid potentiating activity; fibroblast collagenase inhibitor; tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor); Tissue inhibitor of metalloproteinases; TIMP-1; Collagenase inhibitor; OTTHUMP00000023214; Erythroid-potentiating activity

Gene ID 7076

mRNA Refseq [NM_003254](#)

Protein Refseq [NP_003245](#)

MIM 305370

UniProt ID [P01033](#)

Chromosome Location Xp11.3-p11.23

Pathway Activation of Matrix Metalloproteinases; Matrix Metalloproteinases; Platelet degranulation

Function cytokine activity; protease binding; metal ion binding

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