

Recombinant Human TIMP1 Protein, His-tagged

Cat. No. TIMP1-409H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TIMP1 Protein (Thr25-Ala207) with N-His tag was expressed in 293F.
Species	Human
Source	HEK293
ProteinLength	Thr25-Ala207
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.2 kDa Accurate Molecular Mass: 33 kDa

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	TIMP1 TIMP metalloproteinase inhibitor 1 [Homo sapiens (human)]
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

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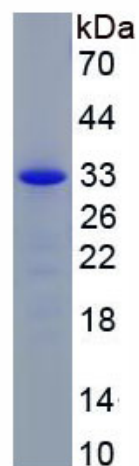
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Protein Refseq NP_003245

MIM 305370

UniProt ID P01033



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