

## Native Human TIMP-1

**Cat. No.** TIMP1-92H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	Human Neutrophil
<b>Description</b>	The tissue inhibitor of metalloproteinases (TIMP-1) is a glycoprotein with a molecular mass of about 28-kDa. The secreted protein consists of 184 amino acids, six disulfide bonds and two glycosylation sites containing N-linked oligosaccharides. TIMP-1 specifically inhibits the extracellular-matrix-degrading metalloproteinases such as collagenase, gelatinase and stromelysin. It has no activity on mammalian membrane metalloproteinases, procollagen peptidase, or on bacterial metalloproteinases such as thermolysin.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	28.0 kDa
<b>Purity</b>	Purity by SDS-PAGE: ≥92%
<b>Usage</b>	For Research Use Only! Not For Use in Humans.
<b>Notes</b>	Centrifuge the vial prior to opening
<b>Storage</b>	-80°C
<b>Storage Buffer</b>	In 50 mM Tris-HCl, pH 7; 200 mM NaCl; 5 mM CaCl <sub>2</sub> ; 1 μM ZnCl <sub>2</sub> ; 0.05% Brij 35;

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0,05% NaN?

**Shipping** Dry Ice

## 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; er

**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, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Hemostasis, organism-specific biosystem;

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IL6-mediated signaling events, organism-specific biosystem; Matrix Metalloproteinases, organism-specific biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem;

**Function**

enzyme inhibitor activity; metal ion binding; metalloendopeptidase inhibitor activity; metalloendopeptidase inhibitor activity; protein binding;

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