Native Human TIMP-1

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

SPECIFICATION

Product Overview	
Species	Human
Source	Human Neutrophil
Description	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 disuilfide bonds and two glycosylation sites containing N-linked oligosaccharides. TIMP-1 specifically inhibits the extracellular-matrix-egradingmetalloproteinases such as collagenase, gelatinase and stromelysin. It has no activity on mammalian membrane metallo-proteinases, procollagen peptidase, or on bacterial metalloproteinases such as thermolysin
Form	Liquid
Molecular Mass	28.0 kDa
Purity	Purity by SDS-PAGE: ≥92%
Usage	For Research Use Only! Not For Use in Humans.
Notes	Centrifuge the vial prior to opening
Storage	-80°C

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Storage Buffer	In 50 mM Tris-HCl, pH 7; 200 mM NaCl; 5 mM CaCl?; 1 μM ZnCl?; 0.05% Brij 35; 0,05% NaN?
Shipping	Dry Ice

GENE INFORMATION

Gene Name	TIMP1 TIMP metallopeptidase inhibitor 1 [Homo sapiens]
Official Symbol	TIMP1
Synonyms	TIMP1; TIMP metallopeptidase 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

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	organization, organism-specific biosystem; Hemostasis, organism-specific biosystem; 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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