

AR51917PU-S

Human TIMP1 (24-207, His-tag) - Purified

Alternate names:	CLGI, EPA, Erythroid-potentiating activity, Fibroblast collagenase inhibitor, Metalloproteinase inhibitor 1, TIMP, TIMP-1, Tissue inhibitor of metalloproteinases
Quantity:	50 µg
Concentration:	0.2 mg/ml (determined by bradford)
Background:	TIMP1, also known as TIMP metalloproteinase inhibitor 1, is a glycoprotein that is expressed from the several tissues of organisms. This protein is a member of the TIMP family. The glycoprotein is a natural inhibitor 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.
Uniprot ID:	P01033
NCBI:	NP_003245
GenelD:	7076
Species:	Human
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: Phosphate buffered saline (pH7.4). Endotoxin Level: < 1.0 Eu per 1 microgram of protein (determined by LAL method)
Description:	Recombinant human TIMP1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques. AA Sequence: CTCVPPHPQT AFCNSDLVIR AKFVGTPENV QTTLYQRYEI KMTKMYKGFQ ALGDAADIRF VYTPAMESVC GYFHRSHNRS EEFLIAGKLQ DGLLHITTCS FVAPWNSLSL AQRRTGFTKTY TVGCEECTVF PCLSIKCKLQ SGTHCLWTDQ LLQGSEKGFQ SRHLACLPRE PGLCTWQSLR SQIAHHHHHH Molecular weight: 21.5 kDa (190aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Ma J, et al (2013) Int J Clin Exp Pathol. 7(1):246-54. Tarhini AA, et al (2014) J Transl Med. 12:19.

Pictures:

