

## Product datasheet for **AR51833PU-S**

### **TIMP1 (24-207, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	TIMP1 (24-207, His-tag) human recombinant protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MCTCVPPHPQ TAF CNSDLVI RAKFVGTPEV NQTTLYQRYE IKMTKMYKGF QALGDAADIR FVYTPAMESV CGYFHRSHNR SEEFLLIAGKL QDGLLHITTC SFVAPWNSLS LAQRRGFTKT YTVGCEECTV FPCLSIPCKL QSGTHCLWTD QLLQGSEKGF QSRHLACLPR EPGLCTWQSL RSQIA
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	23 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid, In 20 mM Tris-HCl (pH 8.0) containing 10% glycerol
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human TIMP1, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_003245</a>
<b>Locus ID:</b>	7076
<b>UniProt ID:</b>	<a href="#">P01033</a> , <a href="#">Q6FGX5</a>
<b>Cytogenetics:</b>	Xp11.3
<b>Synonyms:</b>	CLGI; EPA; EPO; HCI; TIMP; TIMP-1



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**Summary:**

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. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome, Secreted Protein

**Product images:**