

Product datasheet for TP761577

TIMP1 (NM_003254) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins Description: Purified recombinant protein of Human TIMP metallopeptidase inhibitor 1 (TIMP1), full length, with N-terminal GST and C-terminal HIS tag, expressed in E. coli, 50ug Species: Human **Expression Host:** E. coli **Expression cDNA Clone** A DNA sequence encoding human full-length TIMP1 or AA Sequence: N-GST and C-His Tag: Predicted MW: 48.7 kDa **Concentration:** >0.05 µg/µL as determined by microplate BCA method **Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining **Buffer:** 25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. Store at -80°C. Storage: Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. **RefSeq:** NP 003245 Locus ID: 7076 **UniProt ID:** P01033 **RefSeq Size:** 931 Cytogenetics: Xp11.3 **RefSeq ORF:** 621 Synonyms: CLGI; EPA; EPO; HCI; TIMP; TIMP-1



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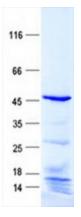
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GRIGENE TIMP1 (NM_003254) Human Recombinant Protein – TP761577

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:



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