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32-6925: TIMP2 Human, Sf9

Alternative Name : TIMP Metallopeptidase Inhibitor 2, Tissue Inhibitor Of Metalloproteinases 2, CSC-21K, Tissue Inhibitor Of Metalloproteinase 2, TIMP-2, DDC8, Metalloproteinase inhibitor 2.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered clear solution.
TIMP2 belongs to the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases, a group of peptidases that take part in degradation of the extracellular matrix. Besides having an inhibitory role against metalloproteinases, the encoded protein has a exclusive part among TIMP family members in its capability to directly suppress the proliferation of endothelial cells. Consequently, the encoded protein is crucial to the conservation of tissue homeostasis by suppressing the production of quiescent tissues as an answer to angiogenic factors, and by inhibiting protease activity in tissues undergoing renovation of the extracellular matrix.
TIMP2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 200 amino acids (27-220a.a.) and having a molecular mass of 22.5kDa.Â (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). TIMP2 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	TIMP2 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Amino Acid :	CSCSPVHPQQ AFCNADVVIR AKAVSEKEVD SGNDIYGNPI KRIQYEIKQI KMFKGPEKDI EFIYTAPSSA VCGVSLDVGG KKEYLIAGKA EGDGKMHITL CDFIVPWDTL STTQKKSLNH RYQMGCECKI TRCPMIPCYI SSPDECLWMD WVTEKNINGH QAKFFACIKR SDGSCAWYRG AAPPKQEFLD IEDPHHHHHH.