

32-20234: Recombinant Human TIMP-2(Discontinued)

Alternative Name : Tissue inhibitor of metalloproteinases 2, CSC-21K

Description

Source:E.coli

TIMP-2 is an extracellular inhibitor of MMPs, including MMP-1, -2, -3, -7, -8, -9, -10, -12, -13, -14, -15, -16 and -19. It belongs to the I35 (TIMP) family of irreversible protease inhibitors that function as key modulators of extracellular matrix degradation during tissue development and remodeling. TIMP-2 can also act through an MMP-independent mechanism inhibiting endothelial cell proliferation in vitro and demonstrates anti-angiogenic activities in vivo. Recombinant Human TIMP-2 is a 21.8 kDa protein containing 194 amino acid residues.

Product Info

Amount : 2 µg / 10 µg

Purification : Purity: >= 95% by SDS-PAGE gel and HPLC analyses.

Amino Acid : CSCSPVHPQQ AFCNADVIR AKAVSEKEVD SGNDIYGNPI KRIQYEIKQI KMFKGPEKDI EFIYTAPSSA
VCGVSLDVGG KKEYLIAGKA EGDGKMHTL CDFIVPWDTL STTQKKSLNH RYQMGCECKI TRCPMIPCYI
SSPDECLWMD WVTEKNINGH QAKFFACIKR SDGSCAWYRG AAPPKQEFLD IEDP

Application Note

TIMP-2 activity was measured by its ability to inhibit human MMP-1 induced hydrolysis of a chromogenic peptide substrate at room temperature. Half maximal inhibition was obtained at a TIMP-2 concentration of approximately 0.5 Åµg/ml, when using an MMP-1 concentration of 1.6 Åµg/ml.