

## 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 EGDGKMHITL CDFIVPWDTL STTQKSLNH 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 µg/ml, when using an MMP-1 concentration of 1.6 µg/ml.