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TIMP1, 24-207aa, Human, His tag, E.colili

产品货号: TP04219

第三版

别名: Metalloproteinase inhibitor 1, EPA, EPO, HCl, CLGI, TIMP

**描述:** TIMP1 also known as metalloproteinase inhibitor 1. The matrix metalloproteinases are inhibited by specific endogenous tissue inhibitors of metalloproteinases (TIMPs), which comprise a family of four protease inhibitors: TIMP1, TIMP2, TIMP3 and TIMP4. Overall, all MMPs are inhibited by TIMPs once they are activated but the gelatinases (MMP-2 and MMP-9) can form complexes with TIMPs when the enzymes are in the latent form. The complex of latent MMP-2 (pro-MMP-2) with TIMP-2 serves to facilitate the activation of pro-MMP-2 at the cell surface by MT1-MMP (MMP-14), a membrane-anchored MMP. The role of the pro-MMP-9/TIMP-1 complex is still unknown. Recombinant human TIMP1, fused to His-tag at N-terminus, was expressed in E.coli.

**配方:** Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol

**分子量:** 23kDa (205aa)

**序列:**

MGSSHHHHHSSGLVPRGSHMCTCVPPHPQTAFNCNSDLVIRAKFVGTPEVNQTTLYQRYEIKMTKMYKGFQALGDAA  
DIRFVYTPAMESVCGYFHRSHNRSEEFLLIAGKLQDGLLHITTCSEFVAPWNSLSLAQRRGFTKTYTVGCEECTVFPCLSIKPKL  
QSGTHCLWTDQLLQGSEKGFQSRHLACLPREPGLCTWQSLRSQIA

**纯度:** > 95% by HPLC

**浓度:** 0.25mg/ml (determined by Bradford assay)

**内毒素:** <1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.