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TIMP2, 27-220aa, Human, His tag, E.coli

产品货号: TP04221

第三版

别名:TIMP metalloproteinase inhibitor 2, CSC-21K, CSC21K

描述:TIMP2 is a natural inhibitor of the matrix metalloproteinases, a group of peptidases involved in of the extracellular matrix. In addition to an inhibitory role against metalloproteinases, this protein has a unique role among TIMP family members in its ability to directly suppress the proliferation of endothelial cells. As a result, TIMP2 may be critical to the maintenance of tissue homeostasis by suppressing the proliferation of quiescent tissues in response to angiogenic factors, and by inhibiting protease activity in tissues undergoing remodelling of the extracellular. Recombinant human TIMP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

分子量:26.1 kDa (232aa), confirmed by MALDI-TOF

序列:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHMCSCSPVHPQQAFNCNADVIRAKAVSEKEVDSGNDIY
GNPIKRIQYEIKQIKMFKGPEKDIEFIYTAPSSAVCGVSLDVGGKKEYLIAGKAEGDGKMHITLCDFIVPWDTLSTTQKSL
NHRYQMGCECKITRCPMIPCYISSPDECLWMDWVTEKNINGHQAKFFACIKRSDGSCAWYRGAAPPKQEFLDIEDP

纯度:> 95% by HPLC

浓度:0.5 mg/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.