

本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

MMP1, 100- 469aa, Human, His tag, E.coli

产品货号: TP02989

第三版

别名:interstitial collagenase isoform 1 preproprotein , CLG, CLGN

**描述:**MMP1 protein of the matrix metalloproteinase (MMP) family is involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes a secreted enzyme which breaks down the interstitial collagens, types I, II, and III. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Recombinant human MMP1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**配方:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

**分子量:**45.0 kDa (393aa)

**序列:**

MGSSHHHHHHSSGLVPRGSHMGSFVLTEGNPRWEQTHLTYRIENYTPDLPRADVDDHAIEKAFQLWSNVTPLTFTKVSEG  
QADIMISFVRGDHRDNSPFDGPGGNLAHAFQPGPGIGGDAHFDEDERWTNNFREYNLHRVAAHELGHSLGLSHSTDIG  
ALMYPSTYFSGDVQLAQDDIDGIQAIYGRSQNPVQPIGPQTPKACDSKLTFDAITIRGEVMFFKDRFYMRTNPFYPEVEL  
NFI SVFWPQLPNGLEAAAYEFADRDEVRFKGNKYWAVQGGQNVLHGYPKDIYSSFGFPRTVKHIDAALSEENTGKTYFFVA  
NKYWRYDEYKRSMDPGYPKMI AHDFPGIGHKVDVFMKDGFFYFFHGTRQYKFDPKTKRILTLQKANSWFNCRKN

**纯度:**> 95% by HPLC

**浓度:**1mg/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.