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MMP13, 104- 471aa, Human, His tag, E.coli

产品货号: TP02992

第三版

别名:collagenase 3 preproprotein , CLG3, MANDP1

描述:MMP13 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. The protein encoded by this gene cleaves type II collagen more efficiently than types I and III. It may be involved in articular cartilage turnover and cartilage pathophysiology associated with osteoarthritis. Recombinant human MMP13 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 10% glycerol, 0.15M NaCl, 1mM DTT

分子量:44.7 kDa (391aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSYNVFPRTLKWSKMNLTYRIVNYTPDMTHSEVEKAFKKAFKVWSDVTPLNFTRLHD
GIADIMISFGIKEHGDFYPFDGPGSGLLAHAFPPGPNYGGDAHFDDETWTSSSKGYNLFLVAAHEFGHSLGLDHSKDPGAL
MFIYTYTGKSHFMLPDDDVQGIQSLYGPGEDEPNPKHPKTPDKCDPSLSLDAITSLRGETMIFKDRFFWRLHPQQVDAEL
FLTKSFWPELPNRIDAAYEHPSHDLIFIFRGRKFWALNGYDILEGYPKKISELGLPKEVKKISAAVHFEDTGKTLFSGNQVW
RYDDTNHIMDKDYPRLEEDFPGIGDKVDAVYEKNGYIYFFNGPIQFEYSIWSNRIVRVMPANSILWC

纯度:> 95% by HPLC

浓度:0.5mg/ml (determined by Absorbance at 280nm)

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.