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MMP2, 110-660aa, Human, His tag, E.coli

产品货号: TP02994

第三版

别名: Matrix metalloproteinase 2, CLG4, CLG4A, MMP-II, MONA, TBE-1

描述: MMP2 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. MMP2 is an enzyme which degrades type IV collagen, the major structural component of basement membranes. It plays a role in endometrial menstrual breakdown, regulation of vascularization and the inflammatory response. Recombinant human MMP2 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

分子量: 64.7 kDa (576aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSEFYNNFFPRKPKWDKNQITYRIIGYTPDLDPETVDDAFARAFQVWSDVTPLRFSRIHD
GEADIMINFGRWEHGDGYPFDGKDGLLAHAFAPGTGVGGDSHFDDDELWTLGEGQVVRVKYGNADGEYCKFPFLFNG
KEYNSCTDTGRSDGFLWCSTTYNFEKDGKYGFCPHEALFTMGGNAEGQPCKPFRFQGTSYDSCCTTEGRTDGYRWCCT
TEDYDRDKKYGFCPETAMSTVGGNSEGAPCVFPFTFLGNKYESCTSAGRSDGKMWCATTANYDDDRKWWGFCPDQGYSL
FLVAAHEFGHAMGLEHSQDPGALMAPIYTYTKNFRLSQDDIKGIQELYGASPDIDLGTGPTPTLGPVTPPEICKQDIVFDGIA
QIRGEIFFFKDRFIWRTVTPRDKPMGPLLVATFWPELPEKIDAVYEAPQEEKAVFFAGNEYWIYSASTLERGYPKPLTSLGLP
PDVQRVDAAFNWSKNKTYIFAGDKFWRYNEVKKKMDPGFKLIADAWNAIPDNLDVVDLQGGGHSYFFKGAAYLK
LENQSLKSVKFGSIKSDLWLG

纯度: > 95% by HPLC

浓度: 0.25 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.