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MMP14, 21-538aa, Human, His-tag, Baculovirus

产品货号: TP02993

第三版

别名:Matrix metalloproteinase-14, MMP14, MMP-14, MMP-X1, MT-MMP, MT-MMP 1, MT1-MMP, MT1MMP, MTMMP1, WNCHRS

描述:MMP14, also known as matrix metalloproteinase-14, is a membrane-anchored zinc-binding endopeptidase that is expressed at the leading edge of various invasive carcinomas and promotes tumor cell invasion through degradation of the extracellular matrix. It plays an important role in extracellular matrix(ECM) remodeling by being able to degrade type I collagen, activate pro-MMP-2 and process cell adhesion molecules such as CD44 and integrin alpha V. It is a key enzyme in many physiological and pathological processes such as angiogenesis and tumor invasion. Recombinant human MMP14, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

配方:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

分子量:59.9kDa (527aa), 35-70kDa (SDS-PAGE under reducing conditions)

序列:

ADLALASLGSAAQSSSFSAEWLQQYGYLPPGDLRTHHTQRSPQSLSAIIAAMQKFYGLQVTGKADADTMKAMRRPRCGVP
DKFGAEIKANVRRKRYAIQGLKWQHNEITFCIQNYTPKVGAYATYEAIRKAFRVWESATPLRFREVPYAYIREGHEKQADI
MIFFAEGFHGDSTPFDGEGGFLAHAYFPGPNIGGDTHFDSAEPWTVRNLNNDIFLVAVHELGHALGLEHSSDPSAIM
APFYQWMDTENFVLPDDRRGIQQLYGGESGFPTKMPPQPRTTSRPSVPDKPKNPTYGPNICDGNFDTVAMLRGEMFVF
KERWFWVRNNQVMDGYMPPIGQFWRGLPASINTAYERKDGKVFVFKGDKHWFVDEASLEPGYPKHIKELGRGLPTDK
IDAALFWMPNGKTYFFRGNKYRFNEELRAVDSEYPKNIKVWEGIPESPRGSFMGSDEVFTYFYKGNKYWKFNQKLVKVE
PGYPKSALRDWMGCPSSGGRPDEGTEETEVIIEVDEEGGAVSHHHHHH

纯度:> 95% by HPLC

浓度:0.25mg/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.