

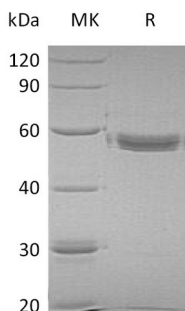
Product Name: Recombinant Human MMP-1 (C-6His)
Catalog #: PHH1167



概述 (Summary)

英文全称	MMP-1/Interstitial collagenase
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human Matrix Metalloproteinase-1 is produced by our Mammalian expression system and the target gene encoding Phe20-Asn469 is expressed with a 6His tag at the C-terminus. The proenzyme needs to be activated by APMA for an activated form.
Accession #	P03956
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Human
预测分子量 (Predicted MW)	52.88 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM MES, 150mM NaCl, 2mM CaCl ₂ , 1mM DTT, 0.05%Brij35, 10% Glycerol, pH 5.0.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

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分子别名 (Alternative Names)

Interstitial Collagenase; Fibroblast Collagenase; Matrix Metalloproteinase-1; MMP-1; MMP1; CLG

背景介绍 (References)

Matrix Metalloproteinase-1 (MMP-1) is expressed by fibroblasts, keratinocytes, endothelial cells, monocytes and macrophages. MMP1 contains several distinct domains: a prodomain that is cleaved upon activation, a catalytic domain containing the zinc binding site, a short hinge region, and a carboxyl terminal (hemopexin like) domain. MMP-1 can degrade a broad range of substrates including types I, II, III, VII, VIII, and X collagens as well as casein, gelatin, α 1 antitrypsin, myelin basic protein, L-Selectin, pro-TNF, IL1, IGFBP3, IGFBP5, pro-MMP2, and pro-MMP9. A significant role of MMP1 is the degradation of fibrillar collagens in extracellular matrix remodeling, characterized by the cleavage of the interstitial collagen triple helix into 3/4, 1/4 fragments. MMP1 may also be involved in enzyme cascades, cytokine regulation and cell surface molecule modulation.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.