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Recombinant Human MMP12 / MMP-12 / HME Protein (catalytic domain)

产品货号: TP06965

第三版

别名:HME;ME;MME;MMP-12

描述:Matrix metalloproteinases (MMPs) are a family of zinc-dependent endopeptidases that degrade components of the extracellular matrix (ECM) and play essential roles in various physiological processes such as morphogenesis, differentiation, angiogenesis and tissue remodeling, as well as pathological processes including inflammation, arthritis, cardiovascular diseases, pulmonary diseases and tumor invasion. Macrophage metalloelastase, also known as Matrix metalloproteinase-12, Macrophage elastase, MMP12, and MMP-12, is a secreted protein which belongs to the peptidase M10A family. MMP12 is a macrophage-secreted elastase that is highly induced in the liver and lung in response to *S. mansoni* eggs and contains four hemopexin-like domains. MMP12 is a proteolytic enzyme responsible for cleavage of plasminogen to angiotensin, which has an angiostatic effect. It may be involved in tissue injury and remodeling and has significant elastolytic activity. It may be related to prognosis in breast cancer patients. MMP12 promotes fibrosis by limiting the expression of specific ECM-degrading MMPs. Like MMP12, MMP13 expression is highly dependent on IL-13 and type I IL-4 receptor signaling. MMP12 is a potent proinflammatory and oncogenic molecule. MMP12 up-regulation plays a critical role in emphysema to lung cancer transition that is facilitated by inflammation.

配方:PBS

分子量:18.2 kDa

序列:Gly106-Asn268

纯度:> 95% by HPLC

浓度:

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.