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32-6852: MMP14 Human

Alternative Name :	Matrix Metallopeptidase 14, Matrix Metallopeptidase 14 (Membrane-Inserted), Membrane-Type-1 Matrix Metalloproteinase, Membrane Type 1 Metalloprotease, EC 3.4.24.80, MT-MMP 1, MT1-MMP, MMP-14, MMP-X1, MT1MMP, MTMMP1, Matrix Metalloproteinase 14 (Membrane-Inserted), Membrane-Type Matrix Metalloproteinase 1, Matrix Metalloproteinase-14, EC 3.4.24, MT-MMP, WNCHRS, Matrix metalloproteinase-14, Membrane-type matrix metalloproteinase 1.

Description

Source: Escherichia Coli.
Sterile filtered colorless solution.
Matrix metalloproteinase-14 (MMP14), is a membrane-anchored zinc-binding endopeptidase which is expressed at the leading edge of different invasive carcinomas and also promotes tumor cell invasion through degradation of the extracellular matrix.Â MMP14 takes a vital part in extracellular matrix, ECM, remodeling by having the capability to degrade type I collagen, activate pro-MMP-2 and process cell adhesion molecules for instance CD44 and integrin alpha V. MMP14 is a key enzyme in many physiological as well as pathological processes for example angiogenesis & tumor invasion.
Matrix Metalloproteinase-14 Human Recombinant produced in E.Coli is a single, non- glycosylated polypeptide chain containing 264 amino acids and having a molecular mass of 29.6kDa. MMP14 is purified by proprietary chromatographic techniques.

Product Info

Amount :	50 µg / 100 µg
Purification :	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	MMP14 is supplied as a 0.2 µm filtered solution conteining 20mM Tris-HCl, pH 7.4, 30 % glycerol, 300mM NaCl, 3mM CaCl2 and 10µm ZnCl2.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ALASLGSAQS SSFSPEAWLQ QYGYLPPGDL RTHTQRSPQS LSAAIAAMQK FYGLQVTGKA DADTMKAMRR PRCGVPDKFG AEIKANVRRK RYAIQGLKWQ HNEITFCIQN YTPKVGEYAT YEAIRKAFRV WESATPLRFR EVPYAYIREG HEKQADIMIF FAEGFHGDST PFDGEGGFLA HAYFPGPNIG GDTHFDSAEP WTVRNEDLNG NDIFLVAVHE LGHALGLEHS SDPSAIMAPF YQWMDTENFV LPDDDRRGIQ QLYG.