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32-6853: MMP14 Human, His

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: Sf9, Baculovirus cells.
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. 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.
MMP14 Human Recombinant produced in Sf9 Baculovirus cells is a single, non-glycosylated polypeptide chain containing 527 amino acids (21-538a.a) and having a molecular mass of 59.9kDa (Molecular size on SDS-PAGE will appear at approximately 35-70kDa). MMP14 is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	MMP14 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
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 :	ADLALASLGS AQSSSFSPEA WLQQYGYLPP GDLRTHTQRS PQSLSAAIAA MQKFYGLQVT GKADADTMKA MRRPRCGVPD KFGAEIKANV RRKRYAIQGL KWQHNEITFC IQNYTPKVGE YATYEAIRKA FRVWESATPL RFREVPYAYI REGHEKQADI MIFFAEGFHG DSTPFDGEGG FLAHAYFPGP NIGGDTHFDS AEPWTVRNED LNGNDIFLVA VHELGHALGL EHSSDPSAIM APFYQWMDTE NFVLPDDDRR GIQQLYGGES GFPTKMPPQP RTTSRPSVPD KPKNPTYGPN ICDGNFDTVA MLRGEMFVFK ERWFWRVRNN QVMDGYPMPI GQFWRGLPAS INTAYERKDG KFVFFKGDKH WVFDEASLEP GYPKHIKELG RGLPTDKIDA ALFWMPNGKT YFFRGNKYYR FNEELRAVDS EYPKNIKVWE GIPESPRGSF MGSDEVFTYF YKGNKYWKFN NQKLKVEPGY PKSALRDWMG CPSGGRPDEG TEEETEVIII EVDEEGGGAV SHHHHHH.