

Recombinant Human matrix metalloproteinase 14 (membrane-inserted) Protein, His-tagged

Cat. No. MMP14-813H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP14, Hemopexin Domain, His-tagged
Species	Human
Source	HEK293
ProteinLength	315-512 aa
Description	Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily; each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. This protein activates MMP2 protein, and this activity may be involved in tumor invasion.
Tag	C-His
Molecular Mass	24 kDa
AA Sequence	GPNICDGNFDTVAMLRGEMFVKERWFWRVRNNQVMDGYPMPIGQFWRGLPAS

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NTAYERKDGKFVFFKGDKHWWVFDEASLEPGYPKHIKELGRGLPTDKIDAALFWMPN
GKTYFFRGNKYYRFNEELRAVDSEYPKNIKVWEGIPESPRGSFMGSDEVFTYFYKG
NKYWKFNNQKLKVEPGYPKSALRDWMGCPSGGVTHHHHHH

Purity > 90 % by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.29 mg/mL by BCA

Storage Buffer Sterile PBS, pH 7.4.

GENE INFORMATION

Gene Name [MMP14 matrix metalloproteinase 14 \(membrane-inserted\) \[Homo sapiens \(human\)\]](#)

Official Symbol [MMP14](#)

Synonyms MMP14; matrix metalloproteinase 14 (membrane-inserted); matrix metalloproteinase 14 (membrane inserted); matrix metalloproteinase-14; membrane type 1 metalloproteinase; MT1 MMP; membrane-type matrix metalloproteinase 1; membrane-type-1 matrix metalloproteinase; matrix metalloproteinase 14 (membrane-inserted); 1; MMP-14; MMP-X1; MT-MMP; MT1MMP; MTMMP1; MT1-MMP; MT-MMP 1

Gene ID [4323](#)

mRNA Refseq [NM_004995](#)

Protein Refseq [NP_004986](#)

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MIM	600754
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UniProt ID	P50281
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