

## Recombinant Human MMP14 protein

Cat. No. MMP14-84H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MMP14 protein(P50281)(21-284 aa) was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	21-284 aa
<b>Form</b>	Supplied as a 0.2 µm filtered solution in 20 mM Tris-HCl, pH 7.4, 300 mM NaCl, 3 mM CaCl <sub>2</sub> , 10 µM ZnCl <sub>2</sub> , with 30 % glycerol.
<b>Molecular Mass</b>	Approximately 29.6 kDa, a single non-glycosylated polypeptide chain containing 264 amino acids.
<b>AASequence</b>	ALASLGSAQS SSFSPEAWLQ QYGYLPPGDL RTHTQRSPQS LSAAIAAMQK FYGLQVTGKA DADTMKAMRR PRCGVPDKFG AEIKANVRRK RYAIQGLKWQ HNEITFCIQN YTPKVG EYAT YEAIRKAFRV WESATPLRFR EVPYAYIREG HEKQADIMIF FAEGFHGDST PFDGEGGFLA HAYFPGPNIG GDTHFDSAEP WTVRNEDLNG NDIFLVAVHE LGHALGLEHS SDPSAIMAPF YQWMDTENFV LPDDDRRGIQ QLYG
<b>Endotoxin</b>	Less than 1 EU/g of rHuMMP-14 as determined by LAL method.
<b>Purity</b>	> 95 % by SDS-PAGE and HPLC analyses.

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**Storage** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

**Concentration** 0.1-1.0 mg/mL

## GENE INFORMATION

**Gene Name** MMP14 matrix metalloproteinase 14 (membrane-inserted) [ Homo sapiens ]

**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

**MIM** 600754

**UniProt ID** P50281

**SDS-PAGE**

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