

Recombinant Human MMP14 protein

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

SPECIFICATION

Product Overview	Recombinant Human MMP14 protein(P50281)(21-284 aa) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	21-284 aa
Form	Supplied as a 0.2 µm filtered solution in 20 mM Tris-HCl, pH 7.4, 300 mM NaCl, 3 mM CaCl ₂ , 10 µM ZnCl ₂ , with 30 % glycerol.
Molecular Mass	Approximately 29.6 kDa, a single non-glycosylated polypeptide chain containing 264 amino acids.
AASequence	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
Endotoxin	Less than 1 EU/g of rHuMMP-14 as determined by LAL method.
Purity	> 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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