

Recombinant Human MMP14 protein, His-SUMO-tagged

Cat. No. MMP14-3233H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP14 protein(P50281)(112-582aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	112-582aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	69.9 kDa
AA Sequence	YAIQGLKWQHNEITFCIQNYTPKVG EYATYEAIRKAFRVWESATPLRFREVPYAYIRE GHEKQADIMIFFAEGFHGDSTPFDGEGGFLAHAYFPGPNIGGDTHFDSAEPWTVRN EDLNGNDIFLVAVHELGHALGLEHSSDPSAIMAPFYQWMDTENFVLPDDDRRGIIQQ LYGGESGFPTKMPPQPRTTSRPSVPDKPKNPTYGPNICDGNFDTVAMLRGEMFVF KERWFWRVRNQNQVMDGYPMPIGQFWRGLPASINTAYERKD GKFVFFKGD KHWVF DEASLEPGYPKHIKELGRGLPTDKIDAALFWMPNGKTYFFRGNKYYRFNEELRAVDS EYPKNIKVWEGIPESPRGSFMGSDEVFTYFYKGNKYWKFNQKLKVEPGYPKSALR DWMGCPSGGRPDEGTEETEVIIEVDEEGGAVSAAAVLPVLLLLLVAVGLAVFF FRRHGTPRRLLYCQRSLLDKV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	Greater than 90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

GENE INFORMATION

Gene Name	MMP14 matrix metallopeptidase 14 (membrane-inserted) [Homo sapiens]
Official Symbol	MMP14
Synonyms	MMP14; matrix metallopeptidase 14 (membrane-inserted); matrix metalloproteinase 14 (membrane inserted); matrix metalloproteinase-14; membrane type 1 metalloprotease; 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

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