

# Recombinant Human MMP14 protein, His-tagged

**Cat. No.** MMP14-657H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Product Overview</b> | Recombinant Human MMP14 protein(NP_004986.1)(520aa), fused with His Tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 520aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 59.4kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MHHHHHHALA SLGSAQSSSF SPEAWLQQYG YLPPGDLRTH TQRSPQSLSA<br>AIAAMQKFYG<br>LQVTGKADAD TMKAMRRPRC GVPDKFGAEI KANVRRKRYA IQGLKWQHNE<br>ITFCIQNYTP<br>KVGEYATYEA IRKAFRVWES ATPLRFREVP YAYIREGHEK QADIMIFFAE<br>GFHGDSTPFD<br>GEGGFLAHAY FPGPNIGGDT HFDSAEPWTV RNEDLNGNDI FLVAVHELGH<br>ALGLEHSSDP<br>SAIMAPFYQW MDTENFVLPD DRRGIQQLY GGESGFPTKM PPQPRTTSRP<br>SVPDKPKNPT<br>YGPNICDGNF DTVAMLRGEM FVFKERWFWR VRNNQVMDGY PMPIGQFWRG<br>LPASINTAYE<br>RKDGKVFVFFK GDKHWVFDEA SLEPGYPKHI KELGRGLPTD KIDAALFWMP |

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|                       |                                                                                                                                                                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | NGKTYFFRGN<br>KYYRFNEELR AVDSEYPKNI KVVWEGIPESP RGSFMGSDEV FTYFYKGNKY<br>WKFNNQKLKV<br>EPGYPKSALR DWMGCPSGGR PDEGTEEEETE VIIIEVDEEG                                                                                                  |
| <b>Endotoxin</b>      | < 1EU/μg                                                                                                                                                                                                                             |
| <b>Purity</b>         | >95%(SDS-PAGE & RP-HPLC)                                                                                                                                                                                                             |
| <b>Storage</b>        | If the sample is used within 2-4 weeks, it can be stored at low temperature at 4°C.<br>For long-term storage, it is recommended to add carrier protein (0.1% HSA or BSA)<br>and store at -20~ -80°C.<br>Avoid multiple freeze-thaws. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of<br>0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                     |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MMP14 matrix metalloproteinase 14 (membrane-inserted) [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                            |
| <b>Official Symbol</b> | MMP14                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>        | MMP14; matrix metalloproteinase 14 (membrane-inserted); matrix metalloproteinase<br>14 (membrane inserted); matrix metalloproteinase-14; membrane type 1<br>metalloproteinase; MT1 MMP; membrane-type matrix metalloproteinase 1; membrane-<br>type-1 matrix metalloproteinase; matrix metalloproteinase 14 (membrane-inserted); 1;<br>MMP-14; MMP-X1; MT-MMP; MT1MMP; MTMMP1; MT1-MMP; MT-MMP 1; |
| <b>Gene ID</b>         | 4323                                                                                                                                                                                                                                                                                                                                                                                              |

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|----------------|---------------------------|
| mRNA Refseq    | <a href="#">NM_004995</a> |
| Protein Refseq | <a href="#">NP_004986</a> |
| MIM            | <a href="#">600754</a>    |
| UniProt ID     | <a href="#">P50281</a>    |

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