

# Recombinant Human MMP8 Protein, His-tagged

**Cat. No.** MMP8-123H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MMP8 Protein(NP_002415)(119-467 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 119-467 aa                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.                                                                                                                                               |
| <b>AA Sequence</b>      | NYTPQLSEAEVERAIKDAFELWSVASPLIFTRISQGEADINIAFYQRDHGDNSPFDGP<br>NGILAHAFQPGQGIGGDAHFDAAETWTNTSANYNLFLVAAHEFGHSLGLAHSSDPG<br>ALMYPNYAFRETSNYSLPQDDIDGIQAIYGLSSNPIQPTGPSTPKPCDPSLTFDAITTL<br>RGEILFFKDRYFWRRHPQLQRVEMNFISLFWPSLPTGIQAAYEDFDRDLIFLFGKNQ<br>YWALSGYDILQGYPKDISNYGFPSSVQAIDAAVFYRSKTYFFVNDQFWRYDNQRQF<br>MEGYPKISISGAFPGIESKVDAVFQQEHFFHVFSGPRYYAFDLIAQRVTRVARGNK<br>WLNCRYG |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                              |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer                                                                                                                                                                                                                                              |

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

#### Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).  
 If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).  
 Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

## GENE INFORMATION

**Gene Name** [MMP8 matrix metalloproteinase 8 \(neutrophil collagenase\) \[ Homo sapiens \]](#)

**Official Symbol** [MMP8](#)

**Synonyms** MMP8; matrix metalloproteinase 8 (neutrophil collagenase); CLG1, matrix metalloproteinase 8 (neutrophil collagenase); neutrophil collagenase; PMNL collagenase; matrix metalloproteinase-8; matrix metalloproteinase 8 (neutrophil collagenase); HNC; CLG1; MMP-8; PMNL-CL;

**Gene ID** [4317](#)

**mRNA Refseq** [NM\\_002424](#)

**Protein Refseq** [NP\\_002415](#)

**MIM** [120355](#)

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**UniProt ID**

P22894

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