

# Recombinant Human MMP-8 Protein

Catalog No.: RP02626LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	4317	P22894

### Tags

C-His

### Synonyms

MMP8; CLG1; Neutrophil collagenase;  
3.4.24.34; Matrix metalloproteinase-8;  
MMP-8; PMNL collagenase; PMNL-CL

## Product Information

Source	Purification
HEK293 cells	> 90% by SDS-PAGE.

Calculated MW	Observed MW
51.97 kDa	60-75 kDa

### Endotoxin

< 0.01EU/ $\mu$ g of the protein by LAL method

### Formulation

Supplied as 0.22  $\mu$ m filtered solution in 50mM Tris, 10 mM CaCl<sub>2</sub> 150 mM NaCl, (pH 7.5).

### Reconstitution

## Background

MMP-8 can degrade fibrillar type I, II, and III collagens. Matrix metalloproteinases (MMPs) are a family of zinc-dependent endopeptidases that degrade components of the extracellular matrix (ECM) and play essential roles in various physiological processes such as morphogenesis, differentiation, angiogenesis, and tissue remodeling, as well as pathological processes including inflammation, arthritis, cardiovascular diseases, pulmonary diseases, and tumor invasion. Neutrophil collagenase, also known as Matrix metalloproteinase-8, MMP-8, and CLG1, is a member of the peptidase M1A family. MMP-8 may affect the metastatic behavior of breast cancer cells through protection against lymph node metastasis, underlining the importance of anti-target identification in drug development. MMP-8 in the tumor may have a protective effect against lymph node metastasis. MMP-8 may affect the metastatic behavior of breast cancer cells through protection against lymph node metastasis, underlining the importance of anti-target identification in drug development. MMP-8 participates in wound repair by contributing to the resolution of inflammation and open the possibility to develop new strategies for treating wound healing defects.

## Basic Information

### Description

Recombinant Recombinant Human MMP-8 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Phe21-Gly467) of Human MMP-8 (Accession #NP\_002415.1) fused with a His tag at the C-terminus.

### Bio-Activity

### Storage

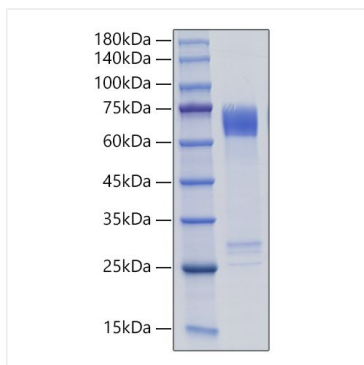
Store at -70°C. This product is stable at  $\leq$  -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Validation Data

---



Recombinant Human MMP-8 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60-75 kDa.