Recombinant Human MMP-8 Protein

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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 °

≥ 90 % as determined by SDS-

PAGE.

Calculated MW Observed MW

51.97 kDa 60-75 kDa

Endotoxin

< 0.01 EU/ μ g of the protein by LAL method

Formulation

Supplied as 0.22 μ m filtered solution in50mM Tris , 10 mM CaCl2 \square 150 mM NaCl, (pH 7.5).

Reconstitution

Contact

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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

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

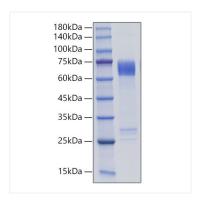
Storage

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.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Human MMP-8 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.