

Recombinant Human MMP9 protein, His-tagged

Cat. No. MMP9-429H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP9 (P14780) aa. (Gly213~Met422) fused with His tag was produced in Yeast cells.
Species	Human
Source	P.pastoris
ProteinLength	Gly213~Met422
Description	Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling.
Form	Freeze-dried powder
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	MMP9 matrix metalloproteinase 9 [Homo sapiens (human)]
Official Symbol	MMP9
Synonyms	MMP9; matrix metalloproteinase 9; GELB; CLG4B; MMP-9; MANDP2; macrophage gelatinase; matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase); type V collagenase
Gene ID	4318
mRNA Refseq	NM_004994.2
Protein Refseq	NP_004985.2

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UniProt ID

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