

Recombinant Human MMP8 protein, His-tagged

Cat. No. MMP8-1135H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP8 protein (Leu101~Gly467) was fused to His-tag at the N-terminus and expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	Leu101-Gly467
Description	This gene encodes a member of the matrix metalloproteinase (MMP) family of proteins. These proteins are involved in the breakdown of extracellular matrix in embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Proteolysis at different sites on this protein results in multiple active forms of the enzyme with distinct N-termini. This protein functions in the degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder. PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	Predicted band size: 43.2 kDa; Observed band size: 43 kDa.
Endotoxin	<1.0 EU per 1g (determined by the LAL method)

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Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	MMP8
Official Symbol	MMP8
Synonyms	HNC; CLG1; MMP-8; PMNL-CL
Gene ID	4317
mRNA Refseq	NM_002424.3
Protein Refseq	NP_002415.1
MIM	120355
UniProt ID	P22894

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