Recombinant Rabbit MMP10 Protein, His-tagged

Cat. No. MMP10-1118R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rabbit MMP10 Protein (Asn21-Ala283) with His tag was expressed in E. coli.
Species	Rabbit
Source	E.coli
ProteinLength	Asn21-Ala283
Description	This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this 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. The encoded preproprotein is proteolytically processed to generate the mature protease. This secreted protease breaks down fibronectin, laminin, elastin, proteoglycan core protein, gelatins, and several types of collagen. The gene is part of a cluster of MMP genes on chromosome 11.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33 kDa; Accurate Molecular Mass: 37 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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.
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	MMP10 matrix metallopeptidase 10 [Oryctolagus cuniculus (rabbit)]
Official Symbol	MMP10
Synonyms	MMP10; matrix metallopeptidase 10; stromelysin-2; matrix metallopeptidase 10 (stromelysin 2); matrix metalloproteinase 10
Gene ID	100101603
mRNA Refseq	XM_002708561
Protein Refseq	XP_002708607
UniProt ID	G1TEU2

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