

Recombinant Cattle MMP1 protein, His & T7-tagged

Cat. No. MMP1-724C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle MMP1 aa. (Phe19~Asn469 (Accession# P28053)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Cattle
Source	E.coli
ProteinLength	Phe19~Asn469
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 55.1kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 5.8.
Applications	SDS-PAGE; WB; ELISA; IP.
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.

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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	Supplied as lyophilized form in PBS, pH 7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	MMP1 matrix metalloproteinase 1 (interstitial collagenase) [Bos taurus (cattle)]
Official Symbol	MMP1
Synonyms	MMP-1; fibroblast collagenase; matrix metalloproteinase-1
Gene ID	281308
mRNA Refseq	NM_174112.1
Protein Refseq	NP_776537.1
UniProt ID	P28053

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