

Recombinant Rat Mmp1 protein, His & T7-tagged

Cat. No. Mmp1-726R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Mmp1 aa. (Asn169~Cys464 (Accession# B5DFD5)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Asn169~Cys464
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 37.7kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 4.8.
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 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

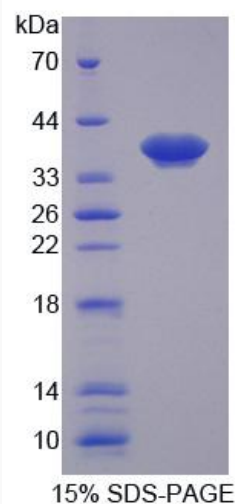
Gene Name	Mmp1 matrix metalloproteinase 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Mmp1
Synonyms	Clgn; MMP-1; Mmp1a; fibroblast collagenase; matrix metalloproteinase 1a; matrix metalloproteinase 1; matrix metalloproteinase 1a (interstitial collagenase); myocardial collagenase
Gene ID	300339
mRNA Refseq	NM_001134530.1
Protein Refseq	NP_001128002.1
UniProt ID	B5DFD5

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SDS-PAGE



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