

## Recombinant Rat Mmp1 protein, His & T7-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Mmp1 aa. (Asn169~Cys464 (Accession# B5DFD5)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asn169~Cys464
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 37.7kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 4.8.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	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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<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative
<b>Reconstitution</b>	Reconstitute in sterile ddH <sub>2</sub> O.

## GENE INFORMATION

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

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