

## Recombinant Mouse Mmp9 protein, His-tagged

**Cat. No.** Mmp9-2793M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Mmp9 aa. (Ser225~Asp390 (Accession # P41245)) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ser225~Asp390
<b>Description</b>	<p>This gene encodes a member of the matrix metalloproteinase family of extracellular matrix-degrading enzymes that are involved in tissue remodeling, wound repair, progression of atherosclerosis and tumor invasion. The encoded preproprotein undergoes proteolytic processing to generate a mature, zinc-dependent endopeptidase enzyme that degrades collagens of type IV, V and XI, and elastin. Mice lacking the encoded protein exhibit an abnormal pattern of skeletal growth plate vascularization and ossification, reduced keratinocyte hyperproliferation at all neoplastic stages, a decreased incidence of invasive tumors, and resistance to experimental autoimmune encephalomyelitis.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 19.9kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)

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<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 6.2.
<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.
<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 PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Mmp9 matrix metalloproteinase 9 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Mmp9</a>
<b>Synonyms</b>	Clg4b; Gel B; MMP-9; B/MMP9; AW743869; pro-MMP-9; 92 kDa gelatinase; 92 kDa type IV collagenase; 92kD gelatinase; 92kD type IV collagenase; collagenase type IVB; gelatinase B; matrix metalloproteinase-9
<b>Gene ID</b>	<a href="#">17395</a>
<b>mRNA Refseq</b>	<a href="#">NM_013599.4</a>

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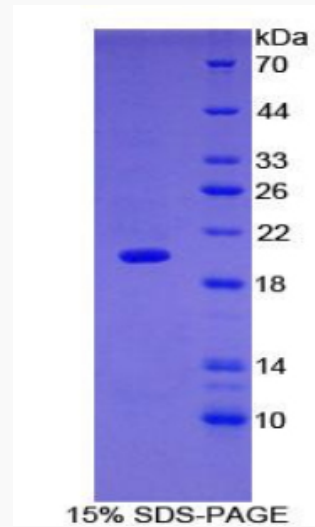
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Protein Refseq NP\_038627.1

UniProt ID P41245

SDS-PAGE



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