

## Active Recombinant Mouse Mmp9 Protein, His-tagged

Cat. No. Mmp9-561M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Mmp9 fused with His tag at N-terminal was expressed in HEK293.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<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>	25 mM TRIS, 10 mM CaCl <sub>2</sub> , 150 mM NaCl, pH7.5
<b>Bio-activity</b>	Mouse MMP-9 cleaves the peptide substrate Mca-PLGL(Dpa)AR with a specific activity value higher than 1000 pmol/g/min after activation.
<b>Molecular Mass</b>	81 kDa
<b>Endotoxin</b>	Less than 1 ng per g protein as determine by the LAL method.

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**Purity** >90%, as determined by Coomassie stained SDS-PAGE.

**Concentration** Protein formulated and vialled at >50 ug/mL in specified buffer

## GENE INFORMATION

**Gene Name** [Mmp9 matrix metalloproteinase 9 \[ Mus musculus \]](#)

**Official Symbol** [Mmp9](#)

**Synonyms** MMP9; matrix metalloproteinase 9; matrix metalloproteinase-9; GELB; Gel B; gelatinase B; 92kD gelatinase; 92kDa gelatinase; 92 kDa gelatinase; collagenase type IVB; 92kD type IV collagenase; 92kDa type IV collagenase; 92 kDa type IV collagenase; matrix metalloproteinase 9; Clg4b; MMP-9; B/MMP9; AW743869; pro-MMP-9;

**Gene ID** [17395](#)

**mRNA Refseq** [NM\\_013599](#)

**Protein Refseq** [NP\\_038627](#)

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