

Recombinant Mouse Mmp9 Protein, Myc/DDK-tagged

Cat. No. Mmp9-4101M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length matrix metalloproteinase 9 (Mmp9), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	<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>
Molecular Mass	81 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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

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](#)

UniProt ID [P41245](#)

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