

# Recombinant Human MMP9 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** MMP9-3361H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	MMP9 MS Standard C13 and N15-labeled recombinant protein (NP_004985) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling.</p>
<b>Molecular Mass</b>	78.3 kDa
<b>AA Sequence</b>	<p>MSLWQPLVLLVLLVLGCCFAAPRQRQSTLVLFPGDLRTNLTDRQLAEEYLYRYGYTR            VAEMRGESKSLGPALLLLQKQLSLPETGELDSATLKAMRTPRCGVPDLGRFQTFEG            DLKWHHHNITYWIQNYSEDLPRAVIDDAFARAFALWSAVTPLTFTRVYSRDADIVIQF            GVAEHGDGYPFDGKDGLLAHAFPPGPGIQGDAHFDDELWSLGKGVVPTFRFGNA</p>

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DGAACHFPFIFEGRSYSACTTDGRSDGLPWCSTTANYDTDDRFGFCPSERLYTRD  
 GNADGKPCQFPFIFQGSYSACTTDGRSDGYRWCATTANYDRDKLFGFCPTRADS  
 TVMGGNSAGELCVFPFTFLGKEYSTCTSEGRGDGRLWCATTSNFSDSKKWGFPCPD  
 QGYSLFLVAAHEFGHALGLDHSSVPEALMYPMYRFTEGPPLHKDDVNGIRHLYGPR  
 PEPEPRPPTTTTPQPTAPPTVCPTGPPTVHPSERPTAGPTGPPSAGPTGPPTAGPS  
 TATTVPLSPVDDACNVNIFDAIAEIGNQLYLFDKDGKYWRFSEGRGSRPQGPFLIADK  
 WPALPRKLDSVFEEPLSKKLFFFSGRQVWVYTGASVLGPRRLDKLGLGADVAQVTG  
 ALRSGRGKMLLFSGRRLWRFDVKAQMVDPRSASEVDRMFPGVPLDTHDVFQYRE  
 KAYFCQDRFYRRVSSRSELNQVDQVG YV TYDILQCPEDTRTRPLEQKLISEEDLAAN  
 DILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** MMP9 matrix metalloproteinase 9 [ Homo sapiens (human) ]

**Official Symbol** MMP9

**Synonyms** MMP9; matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase); CLG4B, matrix metalloproteinase 9 (gelatinase B, 92kD gelatinase, 92kD type IV collagenase), matrix metalloproteinase 9 (gelatinase B, 92kDa

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gelatinase, 92kDa type IV collagenase); matrix metalloproteinase-9; 92 kDa gelatinase; type V collagenase; macrophage gelatinase; 92 kDa type IV collagenase; matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase); GELB; CLG4B; MMP-9; MANDP2;

**Gene ID** [4318](#)

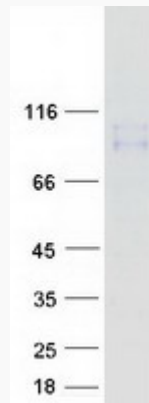
**mRNA Refseq** [NM\\_004994](#)

**Protein Refseq** [NP\\_004985](#)

**MIM** [120361](#)

**UniProt ID** [P14780](#)

**SDS-PAGE**



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