

## Recombinant Mouse Mmp2 Protein, Myc/DDK-tagged

**Cat. No.** Mmp2-4100M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length matrix metalloproteinase 2 (Mmp2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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 hydrolyzes collagens, gelatins, laminin, fibronectin and elastin. Mice lacking the encoded protein exhibit suppressed angiogenesis and attenuated features of human multicentric osteolysis with arthritis including abnormal skeletal and craniofacial development.
<b>Molecular Mass</b>	74.1 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	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** [Mmp2 matrix metalloproteinase 2 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Mmp2](#)

**Synonyms**

MMP2; matrix metalloproteinase 2; 72 kDa type IV collagenase; gelatinase A; 72kD gelatinase; 72kDa gelatinase; 72 kDa gelatinase; 72kD type IV collagenase; 72kDa type IV collagenase; matrix metalloproteinase 2; matrix metalloproteinase-2; GelA; Clg4a; MMP-2

**Gene ID** [17390](#)

**mRNA Refseq** [NM\\_008610](#)

**Protein Refseq** [NP\\_032636](#)

**UniProt ID** [P33434](#)

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