Recombinant Mouse Mmp2 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length matrix metallopeptidase 2 (Mmp2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	74.1 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	Mmp2 matrix metallopeptidase 2 [Mus musculus (house mouse)]
Official Symbol	Mmp2
Synonyms	MMP2; matrix metallopeptidase 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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