

Recombinant Mouse Mmp14 Protein, Myc/DDK-tagged

Cat. No. Mmp14-4098M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length matrix metalloproteinase 14 (membrane-inserted) (Mmp14), 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. Mice lacking the encoded protein exhibit craniofacial dysmorphism, arthritis, osteopenia, dwarfism, and fibrosis of soft tissues.
Molecular Mass	66.4 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.
Concentration	>50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name	Mmp14 matrix metalloproteinase 14 (membrane-inserted) [Mus musculus (house mouse)]
Official Symbol	Mmp14
Synonyms	MMP14; matrix metalloproteinase 14 (membrane-inserted); matrix metalloproteinase-14; MMP-14; MMP-X1; MT1MMP; MTMMP1; MT-MMP 1; Membrane type 1-MMP; type 1 matrix metalloproteinase 14; membrane-type matrix metalloproteinase 1; membrane-type-1 matrix metalloproteinase; matrix metalloproteinase 14 (membrane-inserted); MT1-MMP; AI325305; MT-MMP-1
Gene ID	17387
mRNA Refseq	NM_008608
Protein Refseq	NP_032634
UniProt ID	P53690

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