

Recombinant Mouse Mmp14 Protein, Catalytic Domain, His tagged

Cat. No. Mmp14-9912M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse MMP-14 (Catalytic Domain) with His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	112-291 aa
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.
Form	Sterile 50mM Tris, pH8.0, 300mM NaCl
Molecular Mass	21 kDa
AASequence	MYAIQGLKWQHNEITFCIQNYTPKVGEYATFEAIRKAFRVWESATPLRFREVPYAYIR EGHEKQADIMILFAEGFHGDSTPFDGEGGFLAHAYFPGPNIGGDTHFDSAEPWTVQ NEDLNGNDIFLVAVHELGHALGLEHSNDPSAIMAPFYQWMDTENFVLPDDDRRGIQ QLYGSKSGSPTHHHHHHHH

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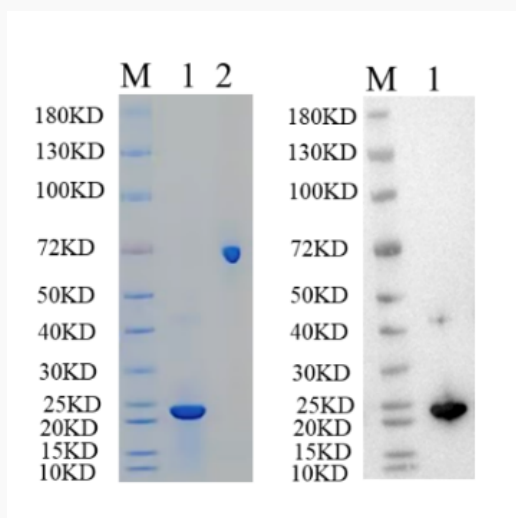
Endotoxin	< 1 EU/μg by LAL
Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.6 mg/mL by BCA
GENE INFORMATION	
Gene Name	Mmp14 matrix metalloproteinase 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	O08645

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SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified MMP14. 1. MMP14: 1 µg 2. BSA: 1 µg