

Product datasheet for **TP509857**

Mmp2 (NM_008610) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse matrix metalloproteinase 2 (Mmp2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR209857 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MEARVAWGALAGPLRVLCVLCCLLGRAIAAPSPPIKFPDGVAPKTDKELAVQYLNTFYGCPKESC�LFVL
KDTLKKMQKFFGLPQTGDLDQNTIETMRKPRCGNPDVANYNFFPRPKWDKNQITYRIIGYTPDLDPETV
DDAFARALKVWSDVTPLRFSRIHDGEADIMINFRWEHGDGYFPDGKDGLLAHAFAPGTGVGGDSHFDDD
ELWTLGEGQVVRVKYGNADGEYCKFPFLFNGREYSSCTDTGRSDGFLWCSTTYNFEKDGKYGFCPHEALF
TMGGNADGQPCKFPFRFQGTSYNSCTTEGRTDGYRWCGTTEDYDRDKKYGFCPETAMSTVGGNSEGAPCV
FPFTFLGNKYESCTSAGRNDGKVVCAATTTNYDDDRKWGFCPDQGYSLFLVAAHEFGHAMGLEHSQDPGAL
MAPIYTYTKNFRLSHDDIKGIQELYGSPDADTDTGTGPTPLGPTPEICKQDIVFDGIAQIRGEIFFF
KDRFIWRTVTPRDKPTGPLLVAFWPELPEKIDAVYEAPQEEKAVFFAGNEYWVYASTLGERGYPKPLTS
LGLPPDVQVDAAFNWSKNKTYIFAGDKFWRYNEVKKKMDPGFPKLIADSWNAIPDNLDVAVDLQGGGH
SYFFKGAYYLKLENQSLKSVKFGSIKSDLGCG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	74.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq:	NP_032636
Locus ID:	17390
UniProt ID:	P33434 , Q3UG07
RefSeq Size:	3070
Cytogenetics:	8 44.99 cM
RefSeq ORF:	1989
Synonyms:	Clg; Clg4a; Ge; GelA; MMP-; MMP-2
Summary:	<p>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. [provided by RefSeq, Feb 2016]</p>