

Product datasheet for **MC216270**

Mmp8 (NM_008611) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmp8 (NM_008611) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mmp8
Synonyms:	BB138268
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216270 representing NM_008611
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTTCGCCTGAAGACACTTCCATTACTGATCTTCTCCACACACAGCTTGCCAATGCCTTCCCAGTAC
CTGAACACCTGGAAGAGAAAAATATAAAAAGCTGCTGAGAATTACCTACGAAAATTCTACAACCTACCAAG
CAATCAATTCCGGTCTTCGAGGAATGCCACGATGGTTGCAGAGAAGCTTAAAGAGATGCAGCGCTTCTTC
AGCTTAGCAGAGACTGGGAAGTTAGATGCAGCTACAATGGGGATTATGGAATGCCTCGATGTGGAGTGC
CTGACTCTGGTATTTCTTGCTAACCCAGGAAGTCCCAAGTGGACACACACTAACCTGACCTACAGGAT
TATAAACCATACGCCACAGCTGTCAAGGGCTGAAGTGA AACAGCAATTGAGAAAGCTTTTCACGCTGG
AGTGTAGCATCGCCCTGACCTTACCGAGATCTTACAGGGAGAAGCAGACATCAACATTGCTTTTCGTCT
CAAGAGACCATGGTGACAATTCTCCATTTGATGGACCAATGGAATCCTTGCCCATGCCTTTCAACCAGG
CCAAGGTATTGGAGGAGATGCTCATTGATTGATTGAGAAGAACTGGACTCAAGATTCCAAAAATTACAAC
CTATTTCTCGTGGCTGCTCATGAATTTGGACATCTTTGGGACTCTCTACTCCACTGATCTGGTGCCT
TGATGTACCCAAACTATGCTTACAGGGAACCCAGCACCTATTCACTACCTCAAGATGATCAATGGCAT
TCAGACAATCTATGGACCTTCAGACAACCCCATCCAACCTACTGGGCCAGCACACCCAAAGCCTGTGAC
CCCCACCTGAGATTTGATGCTACTACCACACTCCGTGGGGAGATTTACTTCTTTAAAGACAAGTACTTCT
GGAGACGGCATCCTCAGCTGAGAACAGTTGACCTCAATTTTCATATCTCTGTTCTGGCCCTTCTACCCAA
CGGTCTTCAGGCTGCTTATGAAGATTTGACAGAGACCTAGTTTTCTATTTAAAGGCAGACAGTACTGG
GCTCTAAGTGGCTATGACCTGCAGCAAGGTTACCCAGAGATATATCCAACCTATGGATTTCCCAAGGAGTG
TCCAAGCCATTGATGCAGCTGTTTCTATAACGGGAAGACATCTTTCATAAACAACCAAGGAGTGGAG
ATATGACAATCAAAGAAGATCCATGGACCCAGGTTACCCAAAAGCATACCAAGCATGTTCCAGGAGTA
AACTGTAGAGTGCATGCAGTTTTCTGCAGGACTCCTTCTTCTTCTTTCAGTGGACCACAATATTTTG
CATTTAATTTTGTGATGCAGAGTCACTAGAGTTGCAAGAAGCAATTTATGGCTTAAGTGTCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_008611

Insert Size: 1398 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_008611.4](#), [NP_032637.3](#)

RefSeq Size: 2453 bp

RefSeq ORF: 1398 bp

Locus ID: 17394

UniProt ID: [O70138](#)

Cytogenetics: 9 A1

Gene Summary: 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 degrades types I, II and III collagens. Mice lacking the encoded protein exhibit abnormalities in the inflammatory responses to various agents. This gene is located in a cluster of other matrix metalloproteinase genes on chromosome 9. [provided by RefSeq, Feb 2016]