

Product datasheet for **MC216347**

Mmp1b (NM_032007) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmp1b (NM_032007) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mmp1b
Synonyms:	Mcol; Mcol-B; Mcolb; MMP-1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216347 representing NM_032007
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTAGCCTTCCTTTGCTGTTGCTTCTCTGGGCTGCCAGCTCATACAGTTTCCCTGTGATTCAAGATG
 GACTCCAGAAAAATGTGAAGACAGTCTGGAAATACCTGGAAACTACTACAATTGGGCAAAAACATGCA
 AGCTAAAAACGTGAATGGCAAGGAGGTGATGGCTGAAAAGCTGAGGCAAAATGCAGCAGTTATTTGGGCTG
 AAAGTAACTGGAAATTCAGATCTGAAACCTGAGAGCTATGAAGAAGCCAGGTGTGGGTGCCTGATG
 TGGCCCCATATGCCATTACTCACAACAATCCTCGTTGGACCAAAACACATCTGACTTACAGCATTTTAA
 CTACACACCATATTTGTCAAAGCAGTTGTGAAGATGCCATCGCAGAGCCTTTAGAGTCTGGAGTGAT
 GTGACACCACTTACGTTCCAAGAGTCTTTGAGGAGGAAGGCGATATTGTGCTCTCCTCCACAGAGGAG
 ACCATGGTGACCTCTACACATTTGATGGATCTAAATATCACTTTGCTCATGCTTTTCTGCCAGGCCTAGG
 TTTGGGGGCAATGTTTCATTATGATCTTGATCAGAAGTGACCGACAACAATGAGGATTTCAACTTGTTT
 TATGTTACGGCTCATGAACTGGGTCACTCCCTGGACTCTCCATTCTAATGATGAAGAGGCACTAATGT
 TCCCCAGCTACACATGGAGCAATAAGACTTTGTGCTAAACCAGGATGATTAATCGCATCCAGGCCTT
 ATATGGACCTTCCCCAAATCCCATCCAGTTAACAGATGCAACACTGGATCCATGTAATAGTGGTCTAACC
 TTTGATGCTATAATTACATATCGGGGGAGGTGATATTCTTTAAAGACAGGTTCTACATTCGGGTAATTA
 GCTTCCTGCCAGAACCTTTGATCGATGTGATAGACCTTATCTGGCCAAATCTGCCAGGTAATTTGATGC
 AGCTTATGAAGTTAGTGGGTAGATGAACCTCCGCTTTTCAAAGGCAGCAAGTATGGGCTGTTCAAGAA
 CAGAAATGACTGGAAGGATTTCCCATGGACATCCAGAGTTCTTTGGCTTCCCTAGCAATGTGACAAACA
 TTGATGCTGCTGTTTGTGAAGAAGAGACTGGAAAAACATACTTCTTTGTTGACCACATGTACTGGAGATA
 TGATGAAAATACACGGTCCATGGATCCAGGTTACCCAGATTAATAGCAGAAGACTTTCCTGGAATCGAC
 TATAAAGTTGATGATGTTATCCGAAAGAGGATAATTTCTATTTCTTTACCAATCAATTCAATACAGAT
 TTAACCTCAAAACAAGAAGAATTGATGATTCCAGTGATTAATACTTGTTCAACTGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_032007

Insert Size: 1392 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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_032007.3</u> , <u>NP_114396.3</u>
RefSeq Size:	1997 bp
RefSeq ORF:	1392 bp
Locus ID:	83996
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. This gene is located in a cluster of other matrix metalloproteinase genes on chromosome 9. [provided by RefSeq, Feb 2016]