

## Product datasheet for **MC202334**

### **Mmp16 (NM\_019724) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mmp16 (NM_019724) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mmp16
Synonyms:	MT-MMP 3; MT3-MMP; Mt3mmp
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC057926 sequence for NM\_019724  
 GGCCGGGTGAGGATGGTGAACACTTGCCGCCGCTGACCCTGCCTTTCCTCTGTTTCTCCCCGGCTGCCGA  
 GCCTGGCGCCCATCCCCATCCCTGGACGGGTGGGTGAACCTGCAAGCTTTTACCCACCCAGGACTGGAT  
 TTTTTTTTTTTTTTCTTTTAAAAGGAAACAGGGAGTGGACATTCGAAAGAGGGAGAAAACGCAGGGG  
 AGCTCGTCCATCCGTTGAGGCACAGTTCAGTATGATCTTACTCGCATTACGCTCTGGAAGAAGTTGGAT  
 TTCGTGCATCGTTCGGGTGTGTTTTCTTGCAACCTTGCTTTGGATTTATGTGCTACAGTCTGCCGAA  
 CGGAGCAGTATTTCAATGTGGAGTTTGGTTACAAAAATACGGCTACCTCCACCGACTGACCCAGAAAT  
 GTCAGTGTGCGCTCTGCAGAGACCATGCAGTCAAGCTCTAGCTGCCATGCAGCAGTTCTATGGCATTAA  
 ATGACAGGAAAAGTGGACAGAAACACAATCGACTGGATGAAGAAGCCTCGATGCGGTGTACCAGACCAGA  
 CAAGAGGCAGCTCTAAATTCAACATTCGTGAAAGCGCTACGCATTAAGTGGACAGAAATGGCAACACAA  
 ACATATCACTTACAGTATAAAGAACGTAACCTCCAAAAGTTGGAGATCCTGAGACCCGGAGAGCAATTGCG  
 CGTGCCTTTGATGTGGCAGAATGTAACCTCTAACGTTTGAAGAAGTTCCCTACAGTGAAGTAGAAA  
 ACGGCAACCGTGTGGATATAACCATCATTTTTGCTTCTGGTTTTCATGGAGACAGTCCCCATTTGA  
 TGGGGAGGGAGGATTTTGGCACATGCTTATTTCCCTGGACCCGGAATTGGAGGCGACCCATTTTGT  
 TCTGATGAGCCATGGACACTGGGAAATCCCAATCATGATGAAAACGATTTATTTCTGTAGCAGTCCATG  
 AGCTGGGACATGCTCTAGGACTGGAACATTCCAACGACCCACCCGCTATCATGGCCCATTTTATCAGTA  
 CATGAAAACAGACAACCTCAAGTTCCTAATGATGATTTACAGGGCATCCAGAAGATATATGGTCCACCT  
 GACAAGATCCCTCCACCTACAAGACCTCTACCGACAGTGCACCCGACCCGATCTGTTCTCCAGCAGACC  
 CAAGGAGACATGACAGGCCAAACCTCCTCGGCCCTCCACTGGCAGACCCCTCTATCCAGGAGCCAAACC  
 CAACATCTGTGATGGAACTTCAACACTTAGCTATTCTTGAAGGGAGATGTTTGTTCAGGACCCAG  
 TGGTTTTGGCGAGTGAGAAACAACAGGGTGTGGATGGATACCAATGCAAACTACTTCTGGCGGG  
 GCCTTCTCCAGTATTGATGCAGTTTATGAAAACAGTACGGAATTTGCTCTTTTAAAGGCAACAA  
 ATACTGGGTGTTCAAAGACACAACCTTCAACCTGGTTACCCTCATGACTTGATTACCTTGGGAATGGA  
 ATCCCCCTCATGGTATTGATTCTGCCATATGGTGGGAAGATGTTGGCAAACCTATTTCTCAAAGGTG  
 ACAGGTATTGGAGATATAGTGAAGAAATGAAAACCATGGACCCTGGTTACCCCAAGCCCATCACCATCTG  
 GAAGGGGATCCCTGAATCACCTCAGGGAGCTTTCGTCCACAAAGAAAATGGCTTTACCTATTTTACAAA  
 GGAAAGGAGTATTGAAAATCAACAATCAGATACTCAAAGTAGAACCTGGTTATCCAAGATCCATCTCA  
 AGGACTTTATGGCTGTGATGGACCAACAGACCGAGATAAAGAAGGACTCAGCCACCAGATGATGTAGA  
 CATTGTCATCAAACCTGGACAACACAGCCAGCACTGTGAAAGCCATAGCTATTGTCATTCCCTGCATCTG  
 GCCTTATGCCTCCTGTATTGGTTTACACTGTGTTCCAGTTCAAGAGGAAAGAACACCCCGCCACATAC  
 TGTACTGTAACGCTCTATGCAAGAGTGGGTGTGATGTAGGGATTTCTTTTTCTTTCTTTCTGGGAGT  
 TTGTGGTAACTTGAGATTCAAGACAAGAGCTGTTATGCTGTTTCCTAGCTAGGAGCAGGCTGTGGCAGC  
 CTGATGGAGGCTGACCTTCCAAACCTAGATGGTTGCTGGTCTGCACATGAGTGGAAATATAATCATGGA  
 GAAGCTCCGTGATGCACAGTATCTGCTGTTCTCCAGTCTCTGTCTTTCTTTGTCACTCAGTTCTAGGC  
 CTTTCTCTGCACGCTCAATGCCAGTAAAATTCAGGATTAAGTGAAGAAGAGGAAATATAGAAGAAA  
 GTTTCTTCTAATTTTTTAAAAAATACATTTCTTCTGAAATCTGAGCCCATTTCTGGGAAAGAGAAAAGA  
 AAGAGAGAGAAAAGAGAGAGAGAGAGAGAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM\_019724
- Insert Size:** 1824 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:** [BC057926](#), [AAH57926](#)

**RefSeq Size:** 2490 bp

**RefSeq ORF:** 1824 bp

**Locus ID:** 17389

**UniProt ID:** [Q9WTR0](#)

**Cytogenetics:** 4 7.08 cM

**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. Mice lacking the encoded protein exhibit retarded growth of the skeleton, especially in the cranium and long bones. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

Transcript Variant: This variant (1) represents the shorter transcript and encodes the functional protein.