

## Product datasheet for **MC216660**

### Mmp20 (NM\_013903) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mmp20 (NM_013903) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mmp20
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216660 representing NM\_013903  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGGTGCTACCTGCCTCTGGCCTTGCTGTCCCTTGTCACAGCTTTAAAGTTTGCCACTGCAGACCCCA  
 ACCTACTGGCAGCCACCCCTAGGACCTTCAGGAGCAACTACCACCTTGACAGGCCATCTTGACAAGTA  
 TTATACAAGAAAAGGAGGCCCCAGGCTGGCGAGATGGTGGCAAGAGAAAACAACCCCATGATCAGGAGG  
 ATTAAGGAGCTACAAATATTCTTTGGCCTCAAAGTCACTGGGAAGTTGGACCAGAATACAATGAATGTGA  
 TCAAGAAGCCTCGCTGTGGAGTTCCTGATGTGGCTAACTACCGCCTCTCCAGGTGAACCCAAATGGAA  
 AAAAAATATTTTACATACAGAATCTCTAAGTACACACCCTCCATGAGTCCCACTGAGGTGGACAAGGCA  
 ATACAGATGGCCCTGCATGCGTGGAGTACAGCTGTCCCTCTGAATTCGTTAGAATAAACTCTGGGGAAG  
 CAGATATCATGATATCTTTGAAACTGGAGATCATGGGGATTCTACCCATTTGATGGCCCTCGAGGGAC  
 TCTGGCCCATGCATTTGCTCCTGGAGAAGCCTGGGAGGAGACACACATTCGACAATGCTGAGAAGTGG  
 ACTATGGGAACGAATGGGTTCAATTTATTCACCGTTGCTGCTCATGAATTTGGCCATGCTCTGGCCCTGG  
 GCCATTCCACAGATCCATCAGCACTGATGTACCAACTATAAGTACCAGAACCCCTATAGATTTACCT  
 CCCAAGGATGATGTGAAAGGGATCCAAGCATTATACGGACCCCGGAAAATATCCAGGAAAGCCACC  
 ATGCCCATATCCACCTCACAAGCCATCTATCCCGACCTCTGTGACTCCAGCTCGTCTTTGATGCAG  
 TGACAATGTTGGGAAAGGAGCTTCTGTTCTTCAAGGATAGGATTTTCTGGAGAAGGCAGGTGCACCTTGC  
 AACAGGGATTTCGCCCAGCACCATCACCAGCTCCTTTCCAGCTAATGTCCAATGTGGACGCGGCTTAC  
 GAAGTGGCTGAACGAGGCATTGCTTTCTTCTTCAAAGTCTCTACTACTGGTCACTCGAGGATTCATA  
 TGCAAGGTCCTCCACGGACAATTTATGACTTCGGGTTCCCAAGGCATGTGCAACGAATAGATGCTGCTGT  
 CTACCTCAAGGAGCCTCAGAAGACCCTTTTCTTTGTTGGGAGAGGAATACTACAGCTATGATGAAAGAAA  
 AAGAAAATGGAAGAAAGACTACCCAAAAAACAAGTGAAGAAGAGTTTTTCAGGAGTGAAGTGGCCATATAGATG  
 CTGCTGTGGAAGTGAATGGCTACATTTACTTCTTTTCAGGACGGAACAACTTCAAGTATGATACAGAGAA  
 GGAAGACGTGGTTAGTGTGGTAAATCCAGTTCCTGGATTGGCTGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_013903
- Insert Size:** 1449 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\\_013903.2](#), [NP\\_038931.1](#)

RefSeq Size: 3276 bp

RefSeq ORF: 1449 bp

Locus ID: 30800

UniProt ID: [P57748](#)

Cytogenetics: 9 A1

**Gene Summary:** This gene encodes a member of the matrix metalloproteinase family of zinc-dependent endopeptidases capable of degrading extracellular matrix proteins. This gene is expressed specifically in the ameloblasts and odontoblasts, and the encoded protein is an inactive zymogen that requires proteolytic removal of a N-terminal propeptide to become enzymatically active. Mice lacking the encoded protein display an amelogenesis imperfecta phenotype. [provided by RefSeq, Oct 2015]