

Product datasheet for **RN213451**

Mmp9 (NM_031055) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmp9 (NM_031055) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mmp9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213451 representing NM_031055
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCCTGGCAGCCCCTGCTCCTGGTCTCCTGGCTCTAGGCTACAGCTTGTGCCCCCTACCAGC
 GCCAGCCGACTTATGTGGTCTTCCCGGAGACCTGAAAACCTCCAACCTACGGACACACAGCTGGCAGA
 GGATTACCTGTACCGCTATGTTACACTCGGGCAGCCAGATGATGGGAGAGAAGCAGTCCCTGCGGCC
 GCTTGTGATGCTTCAGAAGCAGCTGTCCCTGCCCGAGACTGGTGGAGCTGGACAGCAGACACTAAAGG
 CCATTCGTTACCGCGCTGTGGTGTCCCAGACGTGGGCAAATTCAAAACCTTCGAAGGCGACCTCAAGTG
 GCACCATATAACATCACCTATTGGATCCAAGCTACCCGAAGACTTGCCGCGAGACGTGATCGATGAC
 TCCTTCGCGCGCCCTTCGCGGTGTGGAGCGGGTACACCGCTCACCTCACCCGCGTGTACGGGCTCG
 AAGCAGACATTGTCATCCAGTTTGGTGTGCGGGAGCACGGGACGGGTATCCCTTCGACGGCAAGGATGG
 TCTACTGGCACAGCCTTCCCGCTGGCCCGGCATTACGGGAGATGCCACTTCGACGACGACGAGTTG
 TGGTTCGCTGGGCAAGGCGCCGTGGTCCCACTTACTTTGGAAAACGCAAATGGTGCCCATGTCACTTTC
 CCTCACCTTCGAGGGACGCTCCTATTTGTCTGCACCACGGATGGCCGCAACGACGGCAAGCCTTGGTG
 TGGCAGCAGACTGACTACGACACAGACAGAAAATATGGTTTCTGCCCGAGTGAATCTCTACACGGAG
 CATGGCAACGGAGACGGCAAACCTGCGTATTTCCATTCATCTTCGAGGGCCACTCCTACTCTGCCTGCA
 CCACTAAAGGTCGCTCGGATGGTATCGCTGGTGGCCACCACCAGCAACTATGACCAGGATAAGCTGTA
 TGGCTTCTGTCTACTCGAGCCGACGCTACTGTAACGGGGCAACTCGGCAGGAGAGATGTGCGTCTTC
 CCCTTCGTTCTTCTGGCAAGCAGTACTACTACGTACCGGCGAGGGCCGAGTGTGGGCGCCTGTTG
 GCGCGACGACGTGCAACTTCGACGCTGACAAGAAGTGGGTTTCTGTCCAGACCAAGGTCACAGCCTGT
 TCTGGTGGCAGCGCACGAGTTCGGCCATGCGCTGGGCTTAGATCATTCTTCAGTGCCGGAAGCGCTCATG
 TACCCCATGTATCACTACCACGAGGACTCCCTCTGCATGAAGACGACATAAAAGGCATCCAGCATCTGT
 ATGGTCGTGGCTCTAAACCTGACCAAGGCCTCCAGCCACCACCGCAGCTGAACCACAGCCGACAGCTCC
 TCCCACTATGTGCCACTGCACCTCCCATGGCCTATCCACAGGGGGCCCCACAGTCGCCCTACAGGC
 GCCCCTCACCTGGCCACAGGTCCCTACTGCTGGTCTTCTGAGGCCCTACAGAGTCTTCGACTC
 CAGTAGACAATCCTTGAATGTGGATGTTTTGATGCCATTGCTGATATCCAGGGCGCTCTGCATTTCTT
 CAAGGACGGTCGGTATTGGAAGTCTCGAATCACGGAGGAAGCCAATTGCAGGGCCCTTTCTTATTGCC
 CGCAGTGGCCAGCTTTCCTGCAAAGTGAACCTCAGCCTTTGAGGATCCGAGTCCAAGAAGATTTCT
 TCTTCTCTGGGCCAAAATGTGGGTGTACACAGGCCAGACGGTGTGGGCCCCAGGAGTCTGGATAAGTT
 GGGGCTAGGCTCAGAGGTAACCCTGGTACCCGACTTCTCCCGCGTGTGGAGGGGAAGGCTCTGCTGATC
 AGCCGGGAACGTATCTGGAAATTCGACTTGAAGTCTCAGAAGGTGGATCCCCAGAGCGTTACTCGCTGG
 ATAACGAGTTCTTGGCGTGCCCTGGAACCTCACACAACGTCTTCTACTACCAAGACAAGGCCTATTTCTG
 CCATGACAAATACTTCTGGCGTGTGAGTTTCCACAACCGGTGAACCAGGTGGACCACGTGGCCTACGTG
 ACCTATGACCTCTGCAGTGCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031055

Insert Size: 2127 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:	<ol style="list-style-type: none">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:	<u>NM_031055.1</u> , <u>NP_112317.1</u>
RefSeq Size:	2986 bp
RefSeq ORF:	2127 bp
Locus ID:	81687
UniProt ID:	<u>P50282</u>
Cytogenetics:	3q42
Gene Summary:	metalloproteinase involved in extracellular matrix remodeling and bone resorption [RGD, Feb 2006]