

Product datasheet for **RN211766**

Mmp2 (NM_031054) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmp2 (NM_031054) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mmp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211766 representing NM_031054
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGCACGATTGGTCTGGGAGTGCTCGTCGGCCCTCTGCGGTTCTCTGCGTCTGTGCTGCCTGC
 TGGGCCACGCCATCGCTGCACCGTCGCCCATCATCAAGTTCCTCCCGCGATGTCTCCCCAAAACAGACAA
 AGAGTTGGCAGTGCAATACCTGAACACTTTCTATGGCTGCCCAAGGAGAGTTGCAACCTCTTTGTGCTG
 AAGGACACCTCAAGAAGATGCAGAAGTTCTTTGGGCTGCCCCAGACAGGTGACCTTGACCAGAACACCA
 TCGAGACCATGCGGAAACCAAGATGTGGCAACCCAGATGTGGCAACTACAACCTCTTTCCCGCAAGCC
 CAAGTGGGACAAGAATCAGATCACATACAGGATCATTGGTTACACACCTGACCTGGACCTGAGACAGTG
 GATGATGCCTTTGCTCGGGCCTAAAAGTATGGAGCGACGTAACCTCCACTACGCTTTTCTCGAATCCATG
 ATGGGGAAGCTGACATCATGATCAACTTTGGTTCGATGGGAGCATGGAGATGGATACCCATTTGACGGCAA
 GGACGGACTCCTGGCACATGCCTTTGCCCGGGCACTGGTGTGGGGGAGATTCTCACTTTGATGACGAT
 GAGCTGTGGACTCTAGGAGAAGGACAAGTGGTCCGAGTAAAGTATGGGAACGCTGATGGCGAGTACTGCA
 AGTTCCCTTCTTTGTTAATGGTCGGGAATACAGCAGCTGCACAGACACTGGCCGGAGTGACGGCTTCTCT
 CTGGTGTCCACCACGTACAACCTTTGAGAAGGACGGCAAATATGGCTTCTGTCCCCACGAAGCCTTGTTT
 ACCATGGGTGGCAATGGAGATGGACAGCCCTGCAAGTTCCTCGTTCAGGGCACCTCTTACAACA
 GCTGTACCACCGAGGGCCGTACAGACGGCTACCGCTGGTGTGGCACCCAGGATTATGACCGGGATAA
 GAAGTATGGATTCTGCCAGAGACTGCTATGTCCACTGTGGTGGAAATTCAGAAGGTGCCCCATGTGTC
 TTCCCTTCACTTTTCTGGGCAACAAGTATGAGAGCTGCACCAGCGCTGGCCGAAGCGATGGCAAGGTGT
 GGTGTGCAACCAACCAACTACGATGATGACCGGAAGTGGGGCTTCTGTCCCGACCAAGGATATAGCCT
 ATTCTTGTGGCAGCCCATGAGTTCGGCCATGCCATGGGGCTGGAACACTCACAGGACCCTGGAGCTTTG
 ATGGCCCTTACTACACTACACCAAGAACTTCGACTATCCAATGATGACATCAAGGGGATCCAGGAGC
 TCTATGGGCCCTCCCCTGATGCTGATACTGACTGGTACTGGACCCACGCCCTACACTGGGACCTGTAC
 TCCCGAGATCTGCAAGCAAGACATTGTCTTTGATGGCATTGCTCAGATCCGTGGTGAGATCTTCTTCTC
 AAGGATCGGTTTATTTGGCGGACAGTGACACCAGTGACAAGCCACAGGTCCCTTGCTGGTGGCCACAT
 TCTGGCCTGAGCTCCCGAAAAGATTGATGCCGTGTACGAGGCCCCACAGGAAGAGAAGGCTGTGTTCTT
 CGCAGGGAATGAGTACTGGTCTATTCTGCCAGCACTTTGGAAAGAGGATACCCCAAGCCACTGACCAGC
 CTGGGTTTACCCCTGATGTCCAGCAAGTACAGCTGCCTTTAACTGGAGTAAGAACAAGAAGACATACA
 TCTTTTCTGGGGACAAGTCTGGAGATACAATGAAGTAAAGAAGAAAATGGACCCCGTTTCCCGAAGCT
 CATCGCAGACTCCTGGAATGCCATCCCTGATAACCTGGATGCAGTCGTGGACCTGCAGGGTGGTGGTCCAC
 AGCTATTTCTTCAAGGTGCTTATTACCTGAAGTTGGAGAACCAAGTCTGAAGAGTGTGAAGTTTGGAA
 GCATCAAATCGGACTGGCTGGGCTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_031054
- Insert Size:** 1989 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_031054.2](#), [NP_112316.2](#)

RefSeq Size: 3053 bp

RefSeq ORF: 1989 bp

Locus ID: 81686

UniProt ID: [P33436](#)

Cytogenetics: 19p11

Gene Summary: plays important roles in wound healing, angiogenesis, platelet aggregation, and tumor metastasis; mediates the response of the intrinsic glomerular mesangial cell to inflammatory stimuli [RGD, Feb 2006]