

## Product datasheet for **RN212909**

### **Mmp24 (NM\_031757) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mmp24 (NM_031757) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mmp24
Synonyms:	Mt5-mmp; MT5MMP; MTMMP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN212909 representing NM\_031757  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCAAGGAGCCGGGGCGCCGCTGCGCCGGGCCAGGCCGCGCTGGAGCGCTGGCGGGCCCGG  
 GGCGGCTGCTGCCGCTGCTGCCCGCTCTGCTGCCTCGCGCGCGCGCGGGGGCCGGGAAGCCGGCCGG  
 GGCGGACGCGCCCTTCGCCGGGCAAGTGGTTAAATCCTATGGCTATCTGCTTCCCTATGAGTCGCGG  
 GCGTCTGCGTTGCATTACAGGAAGGCCTTGCAGTCAGCAGTCTCCACTATGCAACAGTTTTACGGGATCC  
 CAGTCACCGGTGTGTTGGACCAGACGACAATCGAGTGGATGAAGAAACCTCGATGTGGCCTTCTGATCA  
 TCCCCATTTGAGCAGGAGGAGGAAAATAAACGCTATGCCCTAACTGGACAGAAGTGAGGCAGAAAACAT  
 ATCACCTACAGCATTACAATTATACCCCAAAGGTGGGTGAGCTGGACACACGGAAGGCTATTTCGTCAGG  
 CTTTCGATGTGTGGCAGAAAGTGACCCCGTTGACCTTTGAAGAGGTGCCATACCATGAGATCAAAAGTGA  
 CCGGAAGGAGGCAGACATCATGATCTTCTTTGCTTCTGGTTTCCATGGTGACAGCTCTCCTTTTGATGGG  
 GAAGGGGGCTTCCTAGCCCATGCCTACTTTCCTGGCCAGGAATCGGAGGAGACACTCACTTTGATTGAG  
 ATGAGCCCTGGACACTAGGAAATGCCAACCATGATGGCAATGACCTTCTCCTGGTGGCCGTGCATGAACT  
 GGGCCATGCCCTGGGGCTGGAACACTCTAATGACCCCACTGCTATCATGGCACCTTCTATCAATACATG  
 GAGACGCACAACCTTAAGCTGCCCCAGGATGATCTCCAGGGCATCCAGAAGATTTACGGACCCCAAGCTG  
 AGCCTCTGGAGCCCAAGACCCCTTCTACACTCCCGGTCCGACAGGATCCATTACCGTCTGAGAGAAA  
 ACATGAGCGGCAGCCAGGCCTCCTCGGCCACCTCTGGGGACCGGCCATCCACTCCAGGTGCCAAGCCC  
 AACATGCGGATGGCAACTCAACACAGTGGCCCTCTCCGAGGGGAGATGTTTGTGTTAAGGATCGCT  
 GGTCTGGCGCTGCGCAATAATCGGGTACAGGAGGGCTACCCCATGCAGATTGAACAATTTGGAAGGG  
 CCTGCCCGCCCGCATAGACGCGAGCCTATGAAAGAGCGGACGGAAGATTCGCTTCTTCAAAGGTGACAAG  
 TACTGGGTATTCAAAGAAGTGACGGTGGAGCCTGGGTACCCACAGCTTGGGGAGCTGGGAAGCTGCC  
 TGCCCCGTGAAGGAATTGACACAGCTCTGCGCTGGGAACCTGTGGGCAAAACCTACTTTTTCAAAGGCGA  
 ACGGTAAGGCGTTACAGCGAGGAGCGCGAGCCACAGACCCTGGCTACCCCAAGCCATCACCGTGTGG  
 AAGGGCATCCCGCAGGCTCCACAAGGGGCTTTCATCAGCAAGGAAGGATATTACACTACTTCTACAAG  
 GTCGGGACTACTGGAAGTTTGACAACCAGAACTGAGTGTGGAGCCAGGCTACCCACGCAACATCCTGCG  
 TGACTGGATGGGCTGCAAGCAGAAGGAGGTAGAGCGCGGAAGGAGCGCAGGTTGCCCCAGGATGATGTG  
 GACATCATGGTGACCATCGATGACGTGCCAGGCTCTGTGAATGCTGTGGCTGTGGTCTGCCCTGCACAC  
 TGTCCTGTGCCCTCTGGTGTCTTTACTACTCTTCCAGTTCAAGAACAAGACGGGTCCCAACCCGT  
 CACCTACTATAAGCGGCCAGTCCAGGAGTGGGT**ATGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_031757
- Insert Size:** 1857 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\\_031757.1](#), [NP\\_113945.1](#)

**RefSeq Size:** 4245 bp

**RefSeq ORF:** 1857 bp

**Locus ID:** 83513

**UniProt ID:** [Q99PW6](#)

**Cytogenetics:** 3q42

**Gene Summary:** mouse homolog is a membrane-type matrix metalloproteinase; may play an important role in brain and during embryonic development [RGD, Feb 2006]