

## Product datasheet for **RN202548**

### **Mmp12 (NM\_053963) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mmp12 (NM_053963) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mmp12
Synonyms:	Mme
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN202548 representing NM\_053963  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGTGGACTCTGTTGCTGAAAGGAGCTGGCACAATGAAGTTTCTCCTCGTGCTGGTGTCTTGTGT  
 CCTTACAGGTATCTGCCTGTGGGCTGCTCCCATGAACGAGAGCGAATTTGCTGAATGGTACTTGTCAAG  
 ATTTTTGACTATCAAGGGGACAGAATTCGAATGACAAAAACAAAAACCAATAGAAAACCTCTAGAAGAA  
 AAAGTCCAGGAAATGCAGCAGTTCTTTGGGCTAGAAGTAACTGGGCAACTGGACACCTCAACTCTGAAAA  
 TAATGCACACGTCTCGATGTGGAGTGCCTGATGTACAGCATCTTAGAGCAGTGCCCCAGAGGTCAAGATG  
 GATGAAGCGGTATCTCACTTACAGGATCTATAATTACACTCCAGACATGAAGCGTGCGGATGTAGACTAC  
 ATATTTAGAAAAGCTTTTCAAGTCTGGAGCGATGTCCTCTAAGATTAGAAAAGATTATAAAGGCG  
 AGGCTGACATTACGATACTTTTGCATTTGGAGATCATGGAGACTTCTACGATTTTGATGGCAAAGGTGG  
 TACCTTAGCCCATGCTTTTTATCCTGGGCCGGTATTCAAGGAGATGCACATTTTGATGAGGCAGAAACC  
 TGGACTAAAAGTTTTCAAGGCACAAACCTGTTCTTGTGCTGTTTCATGAGCTTGCCATTCCTTGGGGC  
 TGCCGCATTCCAATAATCCAAAATCAATAATGTACCCTACCTACAGATACCTTACCCCCAACACATTTGCG  
 TCTCTGCTGATGACATACACAGCATTAGTCCCTCTACGGAGCCCCAGTGAAAAACCCATCCTTGACA  
 AATCCTGGAAGTCCACCATCAACTGTGTGTACCAAGCTTGAGTTTTGATGCTGTACAAACAGTGGGAG  
 ATAAAATCTTTTTCTTTAAAGACTGGTTCTTCTGGTGGAGGCTGCCTGGGAGTCCAGCCACCAACATTAC  
 TTCAATTTCTCCATGTGGCCAACTATCCCATCTGGTATTCAAGCTGCTTATGAAATTTGGAGGCAGAAAT  
 CAACTTTTCTTTTAAAGATGAGAAGTACTGGTTAATAAACAACCTGGTACCAGAGCCACACTATCCCA  
 GAAGCATACATTCTCTGGGCTTCCCTGCATCTGTAAGAAGATTGATGCAGCTGTCTTTGATCCACTTCG  
 CAAAAGGTCTATTTCTTTGTGGATAAACAATATTGGAGGTACGATGTGAGGCAGGAACATCGGACGCT  
 GCTTACCCCAAGCTGATTTCTACACACTTCCAGGAATCAGGCCAAAAATTGATGCAGTTCTCTATTTCA  
 AAAGGCACTACTACATCTTCCAAGGAGCCTACCAATTGGAATATGACCCCTTACTGCATCGTGTACCAA  
 AACATTGAGCAGTACGAGCTGGTTCGGTTGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_053963

**Insert Size:** 1434 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\\_053963.2](#), [NP\\_446415.2](#)  
RefSeq Size: 1831 bp  
RefSeq ORF: 1434 bp  
Locus ID: 117033  
UniProt ID: [Q63341](#)  
Cytogenetics: 8q11  
Gene Summary: a macrophage metalloelastase/matrix metalloproteinase; may have a role in glomerular injury in a crescentic glomerulonephritis [RGD, Feb 2006]