

## Product datasheet for **RN201294**

### **Mmp8 (NM\_022221) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mmp8 (NM_022221) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mmp8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN201294 representing NM\_022221  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCTTCACCTGAAGACACTTCCATTTCTGTTCTTCTCCACACACAGCTTGCCACAGCCCTCCCAGTGC  
CTCCAGAACACCTGGAAGAGAAAAATATGAAAACGCTGAGAATTACCTACGAAAATTCTACCACTTACC  
AAGCAATCAGTTCGGTCTGCAAGGAATGCCACTATGATTGCCGAGAAGCTTAAGGAGATGCAGCGCTTC  
TTCGGCTTGCCCGAGACAGGGAAGCCAGATGCAGCTACAATAGAGATAATGGAAAAGCCTCGCTGTGGAG  
TGCCCGACTCTGGTGATTTCTTGCTAACTCCGGGAAGCCCAAGTGGACACACACTAACCTGACCTACAG  
GATTATAAACCATACCCACAGATGTCAAAGGCTGAAGTGAAGCAAGAAATCGAGAAAGCTTTTAAATC  
TGGAGTGTCCATCAACCCTGACCTTCACTGAGACCTTAGAGGGAGAAGCAGACATCAACATTGCTTTCG  
TCTCAAGAGACCATGGTGACAATTTCCATTTGATGGACCAATGGAATCCTTGCCCATGCCTTTCAACC  
AGGCCGGGTATTGGAGGAGATGCACATTTTGATTGAGAAGAAAGTGGACTCAAGACTCCAAGAATTAC  
AACCTGTTTCTCGTGGCTGCTCATGAATTTGGACATTCCTTGGGACTCTCTCACTCCACTGATCCTGGTG  
CCTTGATGTACCCAACTATGCTTACAGAGAACCAGCACCTATCACTACCTCAAGATGATATCAATGG  
AATTCAGACAATCTATGGACCTTACAGACAACCCTGTCCAACCTACTGGACCCAGCACGCCACAGCCTGT  
GACCCCACTGAGATTTGATGTGCCACCACACTCCGTGGGAGATTTACTTCTTTAAAGACAAGTACT  
TCTGGAGACGGCATCCCCAGCTGAGAACAGTTGACCTCAATTTATATCTCTGTCTGGCCCTTCTTACC  
TAATGGTCTTCAGGCTGCTTATGAAGACTTTGATAGAGACCTAGTTTTCTATTTAAAGGCAGACAGTAC  
TGGGCTTAAGTGCCATGACTTGACAGCAAGTTACCCAGAGATATATCCAACATGGATTTCCCAAGGA  
GTGTCCAAGCCATTGATGCAGCTGTTTCTATAACGGGAAGACATACTTCTCGTAAACAACCAATGCTG  
GAGATACGACAATCAAAGAAGATCCATGGATCCAGGTTACCCCACTAGCATAGCAAGCGTGTCCAGGA  
ATAAACTGTAGAATTGATGCAGTTTTCCAGCAGGATTCCTTCTTCTTCTTCACTGGACCACAATATT  
TTGCATTAATCTGTGTCAGTCGACAGTCACTAGAGTTGCAAGAAGCAATTTATGGCTTAACTGTCCATA  
G

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_022221

**Insert Size:** 1401 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\\_022221.1, NP\\_071557.1](#)  
RefSeq Size: 1401 bp  
RefSeq ORF: 1401 bp  
Locus ID: 63849  
UniProt ID: [O88766](#)  
Cytogenetics: 8q11  
Gene Summary: mouse homolog is a neutral metalloproteinase of the fibrillar collagenase family [RGD, Feb 2006]