

Product datasheet for **RN207171**

Mmp10 (NM_133514) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Mmp10 (NM_133514) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Mmp10 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >RN207171 representing NM_133514
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCACTGGCCATCCTGGTCTGCTGTGCTTTCCGATCTGCTCAGCATATCCTCTGCATGGGGCAG
 TGAGACAAGACCACTCAACCATGGATCTTGCTCAGCAATACCTAGAAAAATACTACAACCTTAGAAAAAA
 TGAGAAACAATTTTTCAAAGAAAGGACAGTAGTCCTGTTGTCAAAAAAATTGAAGAAATGCAGAAGTTC
 CTTGGGCTGGAGATGACAGGGAAGCTGGACTCGAACACTGTGGAGATGATGCACAAGCCCGGTGTGGTG
 TTCCCACGTTGGTGGCTTCAGTACCTTCCAGGTTACCCAAATGGAGGAAAAACCACATCTCCTACAG
 GATTGTGAATTACACTGGATTACCAAGAGAGAGTGTGGATTCTGCCATTGAGAGAGCTTTGAAGGTC
 TGGGAGGAGGTGACCCCACTCACATTCTCCAGGATCTCTGAAGGAGAGGCTGACATAATGATCTCCTTTG
 CAGTTGGAGAACATGGAGACTTTTACCCTTTTGTGGAGTGGGACAGAGCTTGGCTCATGCCTACCACC
 TGGCCCTGGATTTATGGAGATGCTCATTGATGATGATGAGAAATGGTCACTGGACCCTCAGGGACC
 AATTTATTCCTGGTTGCTGCGCATGAACCTGGTCACTCCCTGGGTCTTTCACTCAAACAACAAAGAAT
 CTCTGATGTACCCAGTCTACAGTTCTCCACGAGCCAAGCCAACATTTCGCTTTCTCAGGATGATATAGA
 GGGCATTCAATCCCTGTATGGAGCCCGCCCTCCTCTGATGCCACAGTGGTTCTGTGCCCTCTGTCTCT
 CCAAAACCTGAGACCCCACTCAATGTGATCCTGCTTTGTCTTTGATGCAGTACCATGCTGAGAGGGG
 AATTCCTATTCTTTAAAGACAGGCAGTCTGGCGTAGAACCCAGTGAATCCCGAGCCTGAATCCATTT
 GATTTGAGCATTGTCCTCTCTTCCAGGCTTAGATGCTGCCTATGAGGCAATAACAAGGACAGA
 GTTCTGATTTTAAAGGAAGTCAGTCTGGGCAGTCCGAGGAAATGAAGTCCAAGCAGTTACCCAAAGA
 GGATCCACACTTTGGCTTTCTCCACCGTGAAGAAGATTGATGCAGCTGTTTTTGAAGGAGAGAAGAA
 GAAGACGTATTTCTTTGTAGGTGACAAATACTGGAGATTGATGAGACAAGACAGCTTATGGATAAAGGC
 TTCCCAGACTGATAACAGATGACTTCCAGGAATTGAGCCACAAGTTGATGCTGTGTTACATGCATTTG
 GGTTTTTTTATTTCTTCTGTGGATCATCACAGTTCGAGTTGACCCCAATGCCAGGACGGTGACACACAC
 ACTGAAGAGCAACAGCTGGCTGTTGTGCTGA

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2242_f09.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_133514

Insert Size: 1431 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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| 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_133514.1</u> , <u>NP_598198.1</u> |
| RefSeq Size: | 1717 bp |
| RefSeq ORF: | 1431 bp |
| Locus ID: | 117061 |
| UniProt ID: | <u>P07152</u> |
| Cytogenetics: | 8q11 |
| Gene Summary: | enzyme and a transformation-associated protein; activates procollagenase and degrades fibronectin and some gelatins [RGD, Feb 2006] |