

## Product datasheet for **MC203656**

### **Mmp17 (NM\_011846) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mmp17 (NM_011846) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mmp17
Synonyms:	MT4-MM; MT4-MMP; MT4MMP; MTMMP4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC051917
CGGGCGCGGAGCCGAGCGAGGCGCGGAGCTGGCTGCTGGCGGGTGC GGGGACCCTCGCCACCCGACCTGG
GAGAGCGGGATGGGACGCCGCCCGGGGACCTGGGTCCCCCGGGGACCTGGCCCTCCACGCCCCGGGC
CGGGGCTGCCACCACTGCTGTTGTAAGTGGCGTGGCGGCCATGGGGGCTGCGCAGCGCCCGGCCCGC
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TCAGGGCAGCTACAGACCCAGGAGGAACGTCCAAAGCGATTACTGCCATGCAGCAGTGGTGGTCTGG
AGACCACTGGCATCTAGATGAGGCCACTCTGGCCCTGATGAAAACCCCTCGATGCTCCCTCCGGACCT
GCCCCCTGGGGCCCAATCGAGAAGGAAGCGGCAGACTCCACCCCAACCAATGGAGCAAGAGGAACCTT
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AGGCAGGACAGAGTCAGGGGTAGGGCATCTGAGGTTTCCCTGTCTTGAAGCCACCTACTCTGCCCTC
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ATGCTGGTGCACACTCATTTTAAACTCAAACCTTAATAAAAAATTTGTACACTGGAAAAAAAAAAAAA AAAAAAAAAA
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<b>Restriction Sites:</b>	Ascl-NotI
<b>ACCN:</b>	NM_011846
<b>Insert Size:</b>	1737 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC051917</a> , <a href="#">AAH51917</a>
<b>RefSeq Size:</b>	3510 bp
<b>RefSeq ORF:</b>	1737 bp
<b>Locus ID:</b>	23948
<b>UniProt ID:</b>	<a href="#">Q9R0S3</a>
<b>Cytogenetics:</b>	5 68.18 cM
<b>Gene Summary:</b>	This gene encodes a member of the matrix metalloproteinase family of extracellular matrix-degrading enzymes that are involved in tissue remodeling, wound repair, progression of atherosclerosis and tumor invasion. The encoded preproprotein undergoes proteolytic processing to generate a mature, zinc-dependent endopeptidase enzyme. Mice lacking the encoded protein exhibit dysfunctional vascular smooth muscle cells and altered extracellular matrix in the vessel wall leading to an increased susceptibility to angiotensin-II-induced thoracic aortic aneurysm. [provided by RefSeq, Feb 2016]