

## Product datasheet for **MC216150**

### Mmp19 (NM\_001164197) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mmp19 (NM_001164197) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mmp19
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC216150 representing NM_001164197 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGACGCCACAAGGGCCCGTATGAAGCAGCCCCGTTGTGGTCTGGAGGATCCCTTCAACCAGAAAT  
CTCTTAAATACCTGTTCTGGGCCACTGGAGAAAGAAGAACTTGACATTCGCATCTTCAATGTGCCCTC  
CACCCCTCACTTCCAGAGTCCGAGCAGCCCTGCATCAAGCCTTAAAGTACTGGAGCAGGTGGCTCCT  
CTGACCTCCGGGAGGTGAAAGCTGTTGGGCTGACATTCGCCTCTCTTCCATGGCCGCCAAAGCCTGT  
ACTGCTCAATACCTTTGATGGGCTGGAAGGTCTGGCCCATGCTGACATCCCAGAAGTTGGGAGTAT  
ACACTTTGATAAAGATGAACTCTGGACTGAGGGGACCTATCAAGGAGTGAACCTGCGCATCATTGCGGCC  
CATGAAGTGGCCATGCCTAGGACTTGGGCACTCCCGATATACCCAGGCACTCATGGCTCCTGTCTATG  
CTGGCTACCAGCCCTTCTCAAGCTGCATCCAGATGATGTGGCAGGGATCCAGGCTCTCTATGGCAAGAG  
GAGCCCAGAGACAAGAGATGAGGAGGAAGAGACCGAGATGCTCACTGTGTCTCCAGTACTGCAAAACCT  
GGTCCCATGCCAAACCCCTGCAGCGGTGAGGTGGACGCCATGGTCTGGGGCCTCGTGGGAAGACTTATG  
CTTTCAAGGGCGACTATGTGTGGACTGTAAAGATTCAAGGGCCAGGCCCTTGTCCAAATATCTGCCCT  
TTGGGAGGGGCTTCTGGAAACCTAGATGCTGCGGTTTACTCTCCCGGACACGACGACTCATTCTTTC  
AAGGAAACAAGGTGTGGCGGTATGTGGATTTCAAGATGTCTCCTGGCTTTCCATGAAATTC AACAGAG  
TAGAGCCCAACCTGGATGCAGCTCTACTGGCCTGTTAATCAAAGGTGTTCTCTGTTTAAAGGGCTCAGG  
ATACTGGCAATGGGATGAACTGGCCAGAAGTACCTTAGCCGCTACCCCTAAACCAATCAAGGAAGTGT  
ACTGGAGTGCCAGACCGACCTCGGCAGCTATGAGCTGGCAAGATGGCCAAGTCTACTTTTTCAAGGGCA  
AAGAGTATTGGCGCCTTAACCAGCAACTTCAGTGGCAAAGGGCTATCCAGAAAACGACACACTGGAT  
GCACTGTGGTTCTCAGACTCCAGACACTAACTCATCAACCGGGGACGTTACTCCTCAACCACAGACACA  
GTCTTGGGTACCACTCCATCAACCATGGGCTCAACCTTGGACATTCCTCAGCTACAGACTCTGCCTCCC  
TCTCATTCTCTGTAATGTCACCCTGCTAGGGGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001164197
<b>Insert Size:</b>	1368 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>	<u><a href="#">NM_001164197.2</a></u> , <u><a href="#">NP_001157669.1</a></u>
<b>RefSeq Size:</b>	3278 bp
<b>RefSeq ORF:</b>	1368 bp
<b>Locus ID:</b>	58223
<b>Cytogenetics:</b>	10 77.16 cM
<b>Gene Summary:</b>	<p>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 develop a diet-induced obesity due to adipocyte hypertrophy, exhibit decreased susceptibility to chemical carcinogen-induced skin tumors and early onset of tumoral angiogenesis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Feb 2016]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 2 which has a shorter N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>