

## Product datasheet for **RC233704**

### **MMP19 (NM\_001272101) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MMP19 (NM\_001272101) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** MMP19  
**Synonyms:** CODA; MMP18; RASI-1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC233704 representing NM\_001272101  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAAGTCCAGCAGCTGTGGCTGGGCTTCTACTCCCCATGACAGTCTCAGGCCGGTCTGGGGCTTG  
CAGAGGTGGCGCCGTGGACTACCTGTCACAATATGGGTACCTACAGAAGCCTCTAGAAGGATCTAATAA  
CTTCAAGCCAGAAGATATCACCGAGGCTCTGAGAGCTTTTCAGGAAGCATCTGAACCTCCAGTCTCAGGT  
CAGCTGGATGATGCCACAAGGGCCCGCATGAGGCAGCCTCGTTGTGGCCTAGAGGATCCCTTCAACCAGA  
AGACCCTTAAATACCTGTTGCTGGGCCGCTGGAGAAAGAAGCACCTGACTTCCGCATCTTGAACCTGCC  
CTCCACCCCTCCACCCACACAGCCCGGGCAGCCCTGCGTCAAGCCTTCCAGGACTGGAGCAATGTGGCT  
CCCTTGACCTTCCAAGAGGTGCAGGCTGGTGGCCTGACATCCGCCTCTCCTTCCATGGCCGCAAAAGCT  
CGTACTGTTCCAATACTTTTGTGGCCTGGCAAGAAGAGTCCAGTGATAAGGGATGAGGAAGAAGAAGA  
GACAGAGCTGCCACTGTGCCCCAGTGCCACAGAACCAGTCCCATGCCAGACCCTTGCAGTAGTGAA  
CTGGATGCCATGATGCTGGGTGAGGCCCTCCCTCCAGGCTGTTGGCAGGCGGTGGGGGACGCTGCTG  
ATCCTGAGGCCTGGACAAATGGGAGTGACATGGGACTTCAGCATGAGCAATGGAGGGCCCGTGGGAAGA  
CCTATGCTTTCAAGGGGGACTATGTGTGGACTGTATCAGATTGAGGACCGGGCCCTTGTCCGAGTGTC  
TGCCCTTTGGGAGGGCTCCCGGAAACCTGGATGCTGCTGCTACTCGCCTCGAACACAATGGATTAC  
TTCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC233704 representing NM\_001272101  
Red=Cloning site Green=Tags(s)

MNCQQLWLGFLLPMTVSGRVLGLAEVAPVDYLSQYGYLQKPLEGSNNFKPEDITEALRAFQEASELPVSG  
 QLDDATRARMRQPRCGLDPFNQKTLKYLLLRWRKHLTFRILNLPSTLPPHTARAALRQAFQDWSNVA  
 PLTFQEVQAGAADIRLSFHGRQSSYCSNTFDGPGKKSPVIRDEEEETEELPTVPPVPTESPMPDPCSSE  
 LDAMMLGEAPPLQAVGRRWGPADPEAWTNGSDMGLQHEQWRAPWEDLCFQGGLCVDCIRFRTGPLVPSV  
 CPLGGAPRKPCCCLLASNTMDSLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001272101

**ORF Size:** 915 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001272101.1](#), [NP\\_001259030.1](#)

**RefSeq Size:** 3026 bp

**RefSeq ORF:** 918 bp

**Locus ID:** 4327

**UniProt ID:** [Q99542](#)

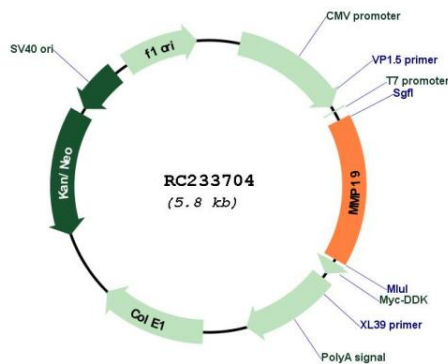
**Cytogenetics:** 12q13.2

**Protein Families:** Protease, Secreted Protein

**MW:** 34.2 kDa

**Gene Summary:** This gene encodes a member of a family of proteins that are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. The encoded protein is secreted as an inactive proprotein, which is activated upon cleavage by extracellular proteases. Alternative splicing results in multiple transcript variants for this gene. [provided by RefSeq, Jan 2013]

### Product images:



Circular map for RC233704