

Product datasheet for **SC333211**

MMP19 (NM_001272101) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MMP19 (NM_001272101) Human Untagged Clone
Tag: Tag Free
Symbol: MMP19
Synonyms: CODA; MMP18; RASI-1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC333211 representing NM_001272101.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAAGTCCAGCAGCTGTGGCTGGGCTTCTACTCCCCATGACAGTCTCAGGCCGGTCTGGGGCTT
 GCAGAGGTGGCGCCCGTGGACTACCTGTACAATATGGGTACCTACAGAAGCCTCTAGAAGGATCTAAT
 AACTTCAAGCCAGAAGATATCACCGAGGCTCTGAGAGCTTTTCAGGAAGCATCTGAACTCCAGTCTCA
 GGTCAGCTGGATGATGCCACAAGGGCCCGCATGAGGCAGCCTCGTTGTGGCCTAGAGGATCCCTTCAAC
 CAGAAGACCCTTAAATACCTGTTGCTGGCCGCTGGAGAAAGAAGCACCTGACTTCCGCATCTTGAAC
 CTGCCCTCCACCCTTCCACCCACACAGCCCGGGCAGCCCTGCGTCAAGCCTTCCAGGACTGGAGCAAT
 GTGGCTCCCTTGACCTTCCAAGAGGTGCAGGCTGGTGGCCTGACATCCGCCTCTCTTCCATGGCCGC
 CAAAGCTCGTACTGTTCCAATACTTTTGTATGGGCTGGCAAGAAGAGTCCAGTGATAAGGGATGAGGAA
 GAAGAAGAGACAGAGCTGCCACTGTGCCCCAGTGCCACAGAACCCAGTCCCATGCCAGACCCTTGC
 AGTAGTGAAGTGGATGCCATGATGCTGGGTGAGGCCCTCCCCTCCAGGCTGTTGGCAGGCGGTGGGGG
 CAGCCTGCTGATCCTGAGGCCTGGACAAATGGGAGTGACATGGGACTTCAAGTATGAGCAATGGAGGGCC
 CCGTGGGAAGACCTATGCTTTCAAGGGGACTATGTGTGGACTGTATCAGATTCAAGACCGGGCCCTT
 GTTCCGAGTGTCTGCCCTTGGGAGGGGCTCCCGGAAACCTGGATGCTGCTACTCGCCTCGAAC
 ACAATGGATTCACCTCTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001272101
Insert Size: 918 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_001272101.1](#)

RefSeq Size: 3026 bp

RefSeq ORF: 918 bp

Locus ID: 4327

UniProt ID: [Q99542](#)

Cytogenetics: 12q13.2

Protein Families: Protease, Secreted Protein

MW: 33.8 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]
Transcript Variant: This variant (3) contains multiple differences in the coding region, compared to variant 1, one of which results in a frameshift. The encoded isoform (3) is shorter and has a distinct C-terminus, compared to isoform 1.