

Product datasheet for **SC109442**

MMP19 (NM_002429) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MMP19 (NM_002429) Human Untagged Clone
Tag:	Tag Free
Symbol:	MMP19
Synonyms:	CODA; MMP18; RASI-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_002429 edited
 GCTGGAGAGTAAAAAGAACTGGGGTAAGAGCCCCTCTGCCTAGCACTGCTCCCCAAGG
 CTCCCAGAAATCTCAGGTCAGAGGCACGGACAGCCTCTGGAGCTCTCGTCTGGTGGGACC
 ATGAACTGCCAGCAGCTGTGGCTGGGCTTCTACTCCCCATGACAGTCTCAGGCCGGGTC
 CTGGGGCTTGAGAGGTGGCGCCCTGGACTACCTGTACAATATGGGTACCTACAGAAG
 CCTCTAGAAGGATCTAATAACTTCAAGCCAGAAGATATCACCCAGGCTCTGAGAGCTTTT
 CAGGAAGCATCTGAACCTCCAGTCTCAGGTCAGCTGGATGATGCCACAAGGGCCCGCATG
 AGGCAGCCTCGTTGTGGCTAGAGGATCCCTTCAACCAGAAGACCCTTAAATACCTGTTG
 CTGGCCCGGGCAGCCCTGCGTCAAGCCTTCCAGGACTGGAGCAATGTGGCTCCCTTGACC
 TTCCAAGAGGTGCAGGCTGGTGC GGCTGACATCCGCTCTCCTTCCATGGCCGCCAAAGC
 TCGTACTGTTCCAATACTTTTGTGGGCTGGGAGAGTCTGGCCATGCCGACATCCCA
 GAGCTGGGCAGTGTGCACTTCGACGAAGACGAGTTCTGGACTGAGGGGACCTACCGTGGG
 GTGAACCTGCGCATCATTGCAGCCCATGAAGTGGGCCATGCTCTGGGCTTGGGCACTCC
 CGATATCCCAGGCCCTCATGGCCCAGTCTACGAGGGCTACCGGCCCACTTTAAGCTG
 CACCCAGATGATGTGGCAGGGATCCAGGCTCTCTATGGCAAGAAGAGTCCAGTGATAAGG
 GATGAGGAAGAAGAAGAGACAGAGCTGCCCACTGTGCCCCAGTCCACAGAACCAGT
 CCCATGCCAGACCCTTGAGTAGTGAACCTGGATGCCATGATGCTGGGGCCCGTGGGAAG
 ACCTATGCTTTCAAGGGGACTATGTGTGGACTGTATCAGATTACAGACCGGGCCCTTG
 TTCCGAGTGTCTGCCCTTTGGGAGGGGCTCCCGGAAACCTGGATGCTGTGTCTACTCG
 CCTCGAACACAATGGATTCACTTCTTTAAGGGAGACAAGGTGTGGCGCTACATTAATTTT
 AAGATGTCTCCTGGCTTCCCAAGAAGCTGAATAGGGTAGAACCTAACCTGGATGCAGCT
 CTCTATTGGCCTCAACCAAAAGGTGTCTCTTTAAGGGCTCCGGTACTGGCAGTGG
 GACGAGCTAGCCCGAAGTCACTTCAAGGCTACCCCAACCAATCAAGGGTTTGTTTACG
 GGAGTGCCAAACCAGCCCTCGGCTGCTATGAGTTGGCAAGATGGCCGAGTCTACTTCTTC
 AAGGGCAAAGTCTACTGGCGCTCAACCAGCAGCTTCGAGTAGAGAAAGGCTATCCAGA
 AATATTTCCACAACCTGGATGCACTGTCGTCGCCGGACTATAGACTACCCATCAGGT
 GGAATACCACTCCCTCAGGTACGGGCATAACCTTGGATACCACTCTCTCAGCCACAGAA
 ACCACGTTTGAATACTGACTGCTCACCCACAGACACAATCTTGGACATTAACCCCTGAGG
 CTCCACCACCCACCTTTCAATTTCCCCCAGAGCCTAAGGCCTAATAGCTGAATGAAA
 TACCTGTCTGCTCAGTAGAACCTTGAGGTGCTGTAGCAGGCCAAGACCGTAGATCTCA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_002429 unedited
 GTCATTTCCCCCGCCCTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATA
 AGCAGAGCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCG
 CGAATTCGGCAGGAGAGGCTGGAGAGTAAAAAGAACTGGGGTAAGAGCCCCTCTGCC
 TAGCACTGCTCCCCAAGGCTCCAGAAATCTCAGGTCAGAGGCACGGACAGCCTCTGGA
 GCTCTCGTCTGGTGGGACCATGAACCTGCCAGCAGCTGTGGCTGGGCTTCTACTCCCCAT
 GACAGTCTCAGGCCGGTCTGGGCTTGCAGAGGTGGCCCGTGGACTACCTGTCACA
 ATATGGGTACCTACAGAAGCCTCTAGAAGGATCTAATAACTTCAAGCCAGAAGATATCAC
 CGAGGCTCTGAGAGCTTTTCAAGGAGCATCTGAACCTCCAGTCTCAGGTCAGCTGGATGA
 TGCCACAAGGGCCCGCATGAGGCAGCCTCGTTGTGGCCTAGAGGATCCCTTCAACCAGAA
 GACCCTTAAATACCTGTTGCTGGCCGGGAGCCCTGCGTCAAGCCTTCCAGGACTGGAG
 CAATGTGGCTCCCTTGACCTTCCAAGAGGTGCAGGCTGGTGGGCTGACATCCGCTCTC
 CTTCCATGGCCGCAAAGCTCGTACTGTTCCAATACTTTTGTGGCCTGGGAGAGTCTCT
 GGCCCATGCCGACATCCCAGAGCTGGGCACTGTGCACTTCGACGAAGACGAGTTCTGGAC
 TGANGGACCTACCGTNGGGTGAACCTGCGCATCATTGCAGCCATGAAGTNGCCATGC
 TCTGGGGCTTNGCACTCCCGATATTTCCAGGCCCTCATGGCCCCAGTCTACGAGGGCTA
 CCGGCCCNACTTTAGCTGCACCCAN

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002429 unedited NNNCGNNTTAACTATGNNACCGCGCCGCATNCTAGNGATCGATTTTTTTTTTTTTTTTTT TTTTTTTTATGAACATGGGAGTTAGCTTTTATTAACACAAATGTACCAGACTGTGCC AGGCACTTACATACAGTATTTTCATTTAGTGCAACAATCCTGCAGTACTGGTCTTAACCT AATGTTGCAAATGGGGAATCTGAGATTCAACAAGGTTAATTAGCTTGCCCGTAATCATAA GCACATAAATGTATTCTCAAGGATTCCAAGGCCCTTGCTCAGTTTACTGGCCATGCTGT TTTCTTGCATTTTATGTAGGAAGAACAGGACCCAGGCATCTCCCTCCACCATTGACCTCC AGAGAAGAGATGACACAGTTGGAAGGGCTGTCTAAGACAGACAGGAAATGGAGTTGGGGG CCAAATCTAAGTTAGGGATCTGAGTTAGGGGAGCACTTCTCAGGAGTAAAAATGCACAG GAAAGTGGTGGCTGGAGTTGGAAGTGTAGAGGCTGAGATCTACGGTCTTGCGCCTGCT ACAGCACCTGCAAGTTCTACTGAGCAGACAGGTATTTTCATTTCAGCTATTAGGCCTTAAG CTTCTGGGGGGAAATGAAAGGGGGTGGGGGACCTCAAGGGTTAATGTCCAGAATGT GTCTGGTGGTGGCACTCCATATTTCAACGTGGTTTCTGTGGCTGAGAAAGTGGATCCCA GGTTTTTCCCCTTCCCTGAGGGAGTGGTTTCCACCTGAGGGTTAATGGCCTTTGTCCG GGGACCAACCGGGCTTCCCTTTTTGGGAAAAAATTCTGGGGAAAGGCCTTTCTTTTTTCA AACTCCTGGGTTGAGGCCCCCATTTGACTTTTGCCTTGAG
Restriction Sites:	NotI-NotI
ACCN:	NM_002429
Insert Size:	2250 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:	<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_002429.3</u> , <u>NP_002420.1</u>
RefSeq Size:	3260 bp
RefSeq ORF:	1527 bp
Locus ID:	4327
UniProt ID:	<u>Q99542</u>
Cytogenetics:	12q13.2
Domains:	hemopexin, Peptidase_M10
Protein Families:	Protease, Secreted Protein

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 (1) represents the longest transcript and encodes the longer isoform (1, also known as rasi-1).