

Product datasheet for **SC122627**

MMP7 (NM_002423) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MMP7 (NM_002423) Human Untagged Clone
Tag: Tag Free
Symbol: MMP7
Synonyms: MMP-7; MPSL1; PUMP-1
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002423 edited
 GTCCAAGAACAATTGTCTCTGGACGGCAGCTATGCGACTCACCGTGTGTGCTGTGTG
 CCTGCTGCCTGGCAGCCTGGCCCTGCCGCTGCCTCAGGAGCGGGAGGCATGAGTGAGCT
 ACAGTGGGAACAGGCTCAGGACTATCTCAAGAGATTTTATCTCTATGACTCAGAAACAAA
 AAATGCCAACAGTTTAGAAGCCAAACTCAAGGAGATGCAAAAATTCTTTGGCCTACCTAT
 AACTGGAATGTTAACTCCCACGTCATAGAAATAATGCAGAAGCCAGATGTGGAGTGCC
 AGATGTTGCAGAACTACTCACTATTTCCAAATAGCCCAAATGGACTTCCAAAGTGGTAC
 CTACAGGATCGTATCATATACTCGAGACTTACCGCATATTACAGTGGATCGATTAGTGTC
 AAAGGCTTTAAACATGTGGGGCAAAGAGATCCCCTGCATTTTCAGGAAAGTTGTATGGGG
 AACTGCTGACATCATGATTGGCTTTGCGCGAGGAGCTCATGGGGACTCCTACCCATTTGA
 TGGGCCAGGAAACACGCTGGCTCATGCCTTTGCGCCTGGGACAGGTCTCGGAGGAGATGC
 TCACTTCGATGAGGATGAACGCTGGACGGATGGTAGCAGTCTAGGGATTAACCTCCTGTA
 TGCTGCAACTCATGAACTTGCCATTCTTTGGGTATGGGACATTCCTCTGATCCTAATGC
 AGTGATGTATCCAACCTATGGAAATGGAGATCCCCAAATTTTAACTTTCCAGGATGA
 TATTAAGGCATTCAGAACTATATGGAAAGAGAAGTAATTAAGAAAGAAATAGAACT
 TCAGGCAGAACATCCATTCATTCATTGGATTGTATATCATTGTTGCACAATCAGAA
 TTGATAAGCACTGTTCTTCCACTCCATTTAGCAATTATGTCACCCTTTTTTATTGCAGTT
 GGTTTTTGAATGTCTTTCACTCCTTTTAAAGGATAAACTCCTTTATGGTGTGACTGTGCT
 TATTCATCTATACTTGCAGTGGGTAGATGTCAATAAATGTTACATACACAAATAAATAAA
 ATGTTTTATTCCATGGTAAATTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002423 unedited NNTTCTGTCAGAATTGTATACGACTCACTATAGGCGGCCGCGATTTCGGCACGAGGGTCCA AGAACAAATTGTCTCTGGACGGCAGCTATGCGACTCACCGTGCTGTGTGCTGTGTGCCTGC TGCCTGGCAGCCTGGCCCTGCCCTGCCTCAGGAGGCGGGAGGCATGAGTGAGCTACAGT GGGAACAGGCTCAGGACTATCTCAAGAGATTTTATCTCTATGACTCAGAAACAAAAATG CCAACAGTTTAGAAGCCAAACTCAAGGAGATGCAAAAATTCCTTTGGCCTACCTATAACTG GAATGTTAAACTCCCACGTCATAGAAATAATGCAGAAGCCAGATGTGGAGTGCCAGATG TTGCAGAATACTCACTATTTCCAAATAGCCCAAATGGACTTCCAAAGTGGTCACCTACA GGATCGTATCATATACTCGAGACTTACCGCATATTACAGTGATCGATTAGTGTCAAAGG CTTTAAACATGTGGGGCAAAGAGATCCCCTGCATTTCCANGAAAGTTGTATGGGGAAGT CTGACATCATGATTGGCTTTGCGCGAGGAGCTCATGGGGACTCCTACCCATTTGATGGGC CAGGAAACACGCTGGCTCATGCCTTTGCGCCTGGGACAGGTCTCGGAGGAGATGCTCACT TCGATGAGGATGAACGCTGGACGGATGGTAGCAGTCTAGGGATTAACCTCCTGTATGCTG CAACTCATGAACCTGGCCATTCTTTGGGTATGGGACATTCCTCTGATCCTAATGCAGTGA TGTATCCAACCTATGAAATGGAGATCCCANAATTTTAAACTTCCAGGATGATATTA AAGGCATTAGAAACTATATGGGAAAGAGAAGTATTCAAGAAAGAATAGNAA
Restriction Sites:	Please inquire
ACCN:	NM_002423
Insert Size:	1140 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:	NM_002423.2 , NP_002414.1
RefSeq Size:	1127 bp
RefSeq ORF:	804 bp
Locus ID:	4316
UniProt ID:	P09237
Cytogenetics:	11q22.2
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Wnt signaling pathway

Gene Summary:

This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this family 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 preproprotein is proteolytically processed to generate the mature protease. This secreted protease breaks down proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal hemopexin domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes on chromosome 11. This gene exhibits elevated expression levels in multiple human cancers. [provided by RefSeq, Jan 2016]