

Product datasheet for **SC126089**

MMP7 (BC003635) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MMP7 (BC003635) Human Untagged Clone
Tag:	Tag Free
Symbol:	MMP7
Synonyms:	matrin; matrix metalloproteinase 7 (matrilysin, uterine); matrix metalloproteinase 7; matrix metalloproteinase 7 (matrilysin, uterine); MMP-7; MPSL1; PUMP-1; uterine matrilysin
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC003635 edited

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GTCCAAGAACAATTGTCTCTGGACGGCAGCTATGCGACTCACCGTGTGTGTGTGTGTG
CCTGCTGCCTGGCAGCCTGGCCCTGCCGCTGCCTCAGGAGGGGAGGCATGAGTGAGCT
ACAGTGGGAACAGGCTCAGGACTATCTCAAGAGATTTTATCTCTATGACTCAGAAACAAA
AAATGCCAACAGTTTAGAAGCCAAACTCAAGGAGATGCAAAAATCTTTGGCCTACCTAT
AACTGGAATGTTAAACTCCCACGTCATAGAAATAATGCAGAAGCCAGATGTGGAGTGCC
AGATGTTGCAGAATACTCACTATTTCCAAATAGCCAAAATGGACTTCCAAAGTGGTCAC
CTACAGGATCGTATCATATACTCGAGACTTACCGCATATTACAGTGGATCGATTAGTGTC
AAAGGCTTTAAACATGTGGGGCAAAGAGATCCCCTGCATTTTCAGGAAAGTTGTATGGGG
AACTGCTGACATCATGATTGGCTTTGCGCGAGGAGCTCATGGGGACTCCTACCCATTTGA
TGGGCCAGGAAACACGCTGGCTCATGCCTTTGCGCCTGGGACAGGTCTCGGAGGAGATGC
TCACTTCGATGAGGATGAACGCTGGACGGATGGTAGCAGTCTAGGGATTAACCTCCTGTA
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AGTGATGTATCCAACCTATGGAAATGGAGATCCCCAAAATTTTAAACTTTCCAGGATGA
TATTAAGGCATTTCAGAACTATATGGAAAGAGAAGTAATTCAAGAAAGAAATAGAACT
TCAGGCAGAACATCCATTCATTTCATTGGATTGTATATCATTGTTGCACAATCAGAA
TTGATAAGCACTGTTCTTCCACTCCATTTAGCAATTATGTCACCCCTTTTTATTGCAGTT
GGTTTTTGAATGTCTTTCCTCTTTAAGGATAAACTCCTTTATGGTGTGACTGTGTCT
TATTCATCTATACTTGCAGTGGGTAGATGTCAATAAATGTTACATACACAATAAATAAA
ATGTTTATTCCATGGTAAATTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for BC003635 unedited CCGCCGTGAGATTTTGTAAACGACTCATATAGGCGGCCGCGTAATTCGCACGAGGGTCCA AGAACATTGTCTCTGGACGGCAGCTATGCGACTCACCGTGCTGTGTGCTGTGCCTGCT GCCTGGCAGCCTGGCCCTGCCGCTGCCTCAGGAGGCGGGAGGCATGAGTGAGCTACAGTG GGAACAGGCTCAGGACTATCTCAAGAGATTTTATCTCTATGACTCAGAAACAAAAATGC CAACAGTTTAGAAGCCAAACTCAAGGAGATGCAAAAATTTTGGCCTACCTATAACTGG AATGTTAACTCCACGTCATAGAAATAATGCAGAAGCCAGATGTGGAGTGCCAGATGT TGCAGAATACTCACTATTTCCAAATAGCCAAAATGGACTTCCAAAGTGGTCACCTACAG GATCGTATCATATACTAGAGACTTACCGCATATTACAGTGGATCGATTAGTGTCAAAGGC TTTAAACATGTGGGGCAAAGAGATCCCCCTGCATTTTCAGGAAAGTTGTATGGGAACTGC TGACATCATGATTGGCTTTGCGCGAGGAGCTCATGGGACTCCTACCCATTTGATGGGCC AGGAAACACGCTGGCTCATGCCTTTGCGCCTGGGACAGGCTCTCGGAGGAGATGCTCACTT CGATGAGGATGAACGCTGGACGGATGGTAGCAGTCTAGGGATTAACCTCCTGTATGCTGC AACTCATGAACTTGGCCATTCTTTGGGTATGGGACATTCTCTGATCCTAATGCAGTGAT GTATCCAACCTATGGAAAATGGAGATCCCAAAATTTTAACTTTCCAGGATGATATTA AGGCATTCGGAACCTTATGGGAAGAGAAGTAATTCGGAAGAATAGGAACT
Restriction Sites:	Please inquire
ACCN:	BC003635
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:	BC003635.2 , AAH03635.1
RefSeq Size:	1131 bp
Locus ID:	4316
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]