

Product datasheet for **SC128230**

MMP17 (NM_016155) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MMP17 (NM_016155) Human Untagged Clone
Tag:	Tag Free
Symbol:	MMP17
Synonyms:	MMP-17; MT4-MMP; MT4MMP; MTMMP4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_016155 edited
 AGTCTGGCGGGGGCGCCGCGGAGAGCGGAGGGCGCCGGGCTGCGGAACGCGAAGCGGAGG
 GCGCGGGACCCTGCACGCCGCCCGGGGCCATGTGAGCGCCATGCGGCGCCGCGCAGCC
 CGGGGACCCGGCCCGCCGCCCCAGGGCCCGACTCTCGCGGCTGCCGCTGCTGCCGCTG
 CCGCTGCTGCTGCTGCTGGCGCTGGGGACCCGCGGGGGCTGCGCCGCGCCCGACCCGCG
 CCGGCGCCGAGGACCTCAGCCTGGGAGTGGAGTGGCTAAGCAGGTTTCGGTTACCTGCC
 CCGGTGACCCCAACAGGGCAGCTGCAGACGCAAGAGGAGCTGTCTAAGGCCATCAC
 GCCATGCAGCAGTTTGGTGGCCTGGAGGCCACCGGCATCCTGGACGAGGCCACCTTGCC
 CTGATGAAAACCCACGCTGCTCCCTGCCAGACCTCCCTGTCTGACCCAGGCTCGCAGG
 AGACGCCAGGCTCCAGCCCCACCAAGTGAACAAGAGGAACCTGTCGTGGAGGGTCCGG
 ACGTTCCACGGGACTCACCCTGGGGCAGCACGCGTGCCTGACTCATGTAACGCGCC
 CTCAAGGTCTGGAGCGACATTGCGCCCTGAACTTCCACGAGGTGGCGGGCAGCACCGCC
 GACATCCAGATCGACTTCTCAAGGCCAACATAACGACGGCTACCCCTTCGACGGCCCC
 GCGGCGACCGTGGCCACGCCTTCTCCCGGCCACCACAACCGCCGGGGACACCCAC
 TTTGACGATGACGAGGCTGGACCTTCCGCTCCTCGGATGCCACGGGATGGACCTGTTT
 GCAGTGGCTGTCCACGAGTTTGGCCACGCCATTGGGTTAAGCCATGTGGCCGCTGCACAC
 TCCATCATGCGGCGTACTACCAGGGCCCGGTGGGTGACCCGCTGCGCTACGGGCTCCCC
 TACGAGGACAAGGTGCGCGTCTGGCAGCTGTACGGTGTGCGGGAGTCTGTGTCTCCACG
 GCGCAGCCCGAGGAGCCTCCCCTGCTGCGGAGCCCCAGACAACCGGTCCAGCGCCCCG
 CCCAGGAAGGACGTGCCCCACAGATGCAGCACTCACTTTGACGCGGTGGCCAGATCCGG
 GGTGAAGCTTTCTTTCAAAGGCAAGTACTTCTGGCGGTGACGCGGGACCGGCACCTG
 GTGTCCCTGCAGCCGGCACAGATGCACCGCTTCTGGCGGGCTGCCGCTGCACCTGGAC
 AGCGTGGACGCCGTGTACGAGCGCACCGACCGACCAAGATCGTCTTTTAAAGGAGAG
 AGGTACTGGGTGTTCAAGGACAATAACGTAGAGGAAGGATACCCGCGCCCGTCTCCGAC
 TTCAGCCTCCCGCTGGCGGCATCGACGCTGCCTTCTCCTGGGCCACAATGACAGGACT
 TATTTCTTAAAGGACCAGCTGTACTGGCGCTACGATGACCACACGAGGCACATGGACCCC
 GGCTACCCCGCCAGAGCCCCCTGTGGAGGGGTGTCCCCAGCACGCTGGACGACGCCATG
 CGCTGGTCCGACGGTGCCTACTACTTCTCCGTGGCCAGGAGTACTGGAAAGTGTGGAT
 GCGGAGCTGGAGGTGGCACCCGGTACCCACAGTCCACGGCCCGGACTGGCTGGTGTGT
 GGAGACTCACAGGCCGATGGATCTGTGGCTGCGGGCGTGGACGCGGCAGAGGGGCCCGC
 GCCCTCCAGGACAACATGACCAGAGCCGCTCGGAGGACGTTACGAGGTCTGCTCATGC
 ACCTCTGGGGATCCTCTCCCCGGGGGCCAGGCCACTGGTGGCTGCCACCATGCTG
 CTGCTGCTGCGCCACTGTACACAGGCGCCCTGTGGACAGCGGCCAGGCCCTGACGCTA
 TGACACACAGCGCGAGCCATGAGAGGACAGAGGCGGTGGGACAGCCTGGCCACAGAGGG
 CAAGGACTGTGCCGGAGTCCCTGGGGGAGGTGCTGGCGCGGATGAGGACGGGCCACCT
 GGCACCGGAAGGCCAGCAGAGGGCACGGCCCGCAGGGCTGGGCAGGCTCAGGTGGCAAG
 GACGGAGCTGTCCCCTAGTGAGGACTGTGTTGACTGACGAGCCGAGGGGTGGCCGCTCC
 AGAAGGGTGCCAGTCAAGCCGACCCCGCCAGCCTCCTCCGGCCCTGGAGGGAGCATC
 TCGGGCTGGGGGCCACCCCTCTCTGTGCCGGCGCCACCAACCCACCCACTGCTGCC
 TGGTGTCCCGCCGGCCACAGGGCCTCCGTCCCAGGTCCCAGTGGGGCAGCCCTCCC
 CACAGACGAGCCCCACATGGTGCCGCGGCACGTCCCCCTGTGACGCGTTCCAGACCA
 ACATGACCTCTCCTGCTTTGAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_016155
Insert Size: 2400 bp

OTI Disclaimer:	The sequence of an 'OriGene Unique Variant' differs significantly from the associated reference. It represents a novel splice variant from the same gene locus of the reference. Although such variants are true transcripts and present opportunity for discoveries, they are not yet curated by NCBI and should not be used if the exact reference accession sequence is required.
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide an variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. There are nine bp insertion within ORF.
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_016155.4 , NP_057239.4
RefSeq Size:	2429 bp
RefSeq ORF:	1812 bp
Locus ID:	4326
UniProt ID:	Q9ULZ9
Cytogenetics:	12q24.33
Domains:	hemopexin, Peptidase_M10, ZnMc
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a member of the peptidase M10 family and membrane-type subfamily 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. Members of this subfamily contain a transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. The encoded preproprotein is proteolytically processed to generate the mature protease. This protein is unique among the membrane-type matrix metalloproteinases in that it is anchored to the cell membrane via a glycosylphosphatidylinositol (GPI) anchor. Elevated expression of the encoded protein has been observed in osteoarthritis and multiple human cancers. [provided by RefSeq, Jan 2016]