

Product datasheet for **SC304998**

MMP27 (NM_022122) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MMP27 (NM_022122) Human Untagged Clone
Tag:	Tag Free
Symbol:	MMP27
Synonyms:	MMP-27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC304998 representing NM_022122.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGAAGCGCCTTCTGCTTCTGTTTTGTTCTTTATAACATTTTCTCTGCATTTCCCTTAGTCCGGATG
ACGGAAAATGAAGAAAATATGCAACTGGCTCAGGCATATCTCAACCAGTTCTACTCTTTGAAATAGAA
GGGAATCATCTTGTTCAAAGCAAGAATAGGAGTCTCATAGATGACAAAATTCGGGAAATGCAAGCATT
TTTGGATTGACAGTGACTGGAAAACCTGGACTCAAACACCCTTGAGATCATGAAGACACCCAGGTGTGGG
GTGCCTGATGTGGGCCAGTATGGCTACACCCTCCCTGGGTGGAGAAAATACAACCTCACCTACAGAATA
ATAAACTATACTCCGGATATGGCAGAGCTGCTGTGGATGAGGCTATCCAAGAAGTTTAGAAGTGTGG
AGCAAAGTCACTCCACTAAAATTCACCAAGATTTCAAAGGGGATTGCAGACATCATGATTGCCTTTAGG
ACTCGAGTCCATGGTCGGTGTCTCGCTATTTTGATGGTCCCTGGGAGTCTGGCCATGCCTTTCT
CCTGGTCCGGTCTGGTGGTGACTCATTTTGTGAGGATGAAAACCTGGACCAAGGATGGAGCAGGA
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ACAGCCTTGATGTCCCAAATTATGTCTCCCTGGATCCCAGAAAATACCCACTTTCTCAGGATGATATC
AATGGAATCCAGTCCATCTATGGAGGTCTGCCTAAGGAACCTGCTAAGCCAAAGGAACCCACTATACCC
CATGCCTGTGACCCTGACTTGACTTTTGAGCCTATCACAACTTTCCGCAGAGAAGTAATGTTCTTTAAA
GGCAGGCACCTATGGAGGATCTATTATGATACACGGATGTTGAGTTGAATTAATTGCTTCATTCTGG
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GAAAACCTTCTGGATGATCAGAGGATATGCTGTCTTCCAGATTATCCCAAATCCATCCATACATTAGGT
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GTAAAACACTTTCTGGAATCAGTATCCGTGTTGATGCTGCTTTCCAGTACAAAGGATTCTTCTTTTC
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ACTTGGTTCAATGCAAAGAACCAAGAACTCCTCATTGGTTTTGATATCAACAAGGAAAAAGCACAT
TCAGGAGGCATAAAGATATTGTATCATAAGAGTTAAGCTTGTATTTTGGTATTGTTCAATTTGCTG
AAAAACACTTCTATTTATCAATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_022122

Insert Size: 1542 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).

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 a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_022122.2](#)

RefSeq Size: 1647 bp

RefSeq ORF: 1542 bp

Locus ID: 64066

UniProt ID: [Q9H306](#)

Cytogenetics: 11q22.2

Protein Families: Druggable Genome

MW: 59 kDa

Gene Summary: Proteins of the matrix metalloproteinase (MMP) 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. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. [provided by RefSeq, Jul 2008]