

Product datasheet for **SC304957**

MMP26 (NM_021801) Human Untagged Clone

Product data:

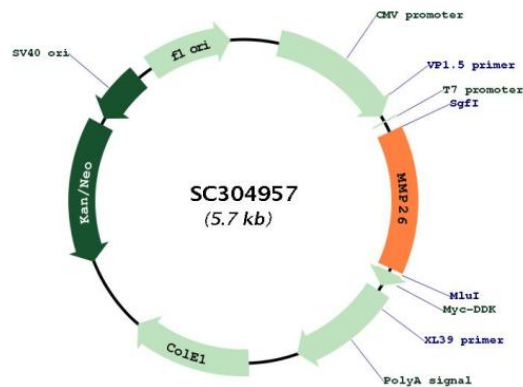
Product Type:	Expression Plasmids
Product Name:	MMP26 (NM_021801) Human Untagged Clone
Tag:	Tag Free
Symbol:	MMP26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304957 representing NM_021801. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGCTCGTCATCTTAAGAGTTACTATCTTCTTGCCCTGGTGTTCGCCGTTCCAGTGCCCCCTGCT
GCAGACCATAAAGGATGGGACTTTGTTGAGGGCTATTTCCATCAATTTTCTGACCAAGAAGGAGTCG
CCACTCCTTACCCAGGAGACACAACACAGCTCCTGCAACAATCCATCGGAATGGGACAGACCTACTT
GACATGCAGATGCATGCTCTGCTACACCAGCCCCACTGTGGGTGCCTGATGGGTCCGACACCTCCATC
TCGCCAGGAAGATGCAAGTGAATAAGCACACTCTAACTTACAGGATTATCAATTACCCACATGATATG
AAGCCATCCGAGTGAAAGACAGTATATAATGCAGTTTCCATCTGGAGCAATGTGACCCCTTTGATA
TTCCAGCAAGTGCAGAATGGAGATGCAGACATCAAGGTTTCTTTCTGGCAGTGGGCCCATGAAGATGGT
TGGCCCTTTGATGGGCCAGGTGGTATCTTAGGCCATGCCTTTTTACCAAATCTGGAAATCCTGGAGTT
GTCCATTTTGACAAGAATGAACACTGGTCAGCTTCAGACACTGGATATAATCTGTTCTGGTTGCAACT
CATGAGATTGGGCATTCTTTGGCCTGCAGCACTCTGGGAATCAGAGCTCCATAATGTACCCCACTTAC
TGGTATCACGACCCTAGAACCTTCCAGCTCAGTGCCGATGATATCCAAGGATCCAGCATTTGTATGGA
GAAAAATGTTTCATCTGACATACCTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_021801

Insert Size: 786 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_021801.4](#)

RefSeq Size:	1001 bp
RefSeq ORF:	786 bp
Locus ID:	56547
UniProt ID:	Q9NRE1
Cytogenetics:	11p15.4
Protein Families:	Druggable Genome, Secreted Protein
MW:	29.7 kDa
Gene Summary:	<p>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. The encoded preproprotein is proteolytically processed to generate the mature enzyme. This enzyme may degrade collagen type IV, fibronectin, fibrinogen, and beta-casein, and activate matrix metalloproteinase-9 by cleavage. The protein differs from most MMP family members in that it lacks a conserved C-terminal protein domain. The encoded protein may promote cell invasion in multiple human cancers. [provided by RefSeq, May 2016]</p>