

Product datasheet for **RC218383**

MMP28 (NM_001032278) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MMP28 (NM_001032278) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MMP28
Synonyms: EPILYSIN; MM28; MMP-25; MMP-28; MMP25
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC218383 representing NM_001032278
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCGCGCGCTCGGCTCCTGCTGCGGCCCTGCAGCTGCTACTGTGGGGCCACCTGGACGCCAGC
CCGCGGAGCGGGAGGCCAGGAGCTGCGCAAGGAGGCGGAGGCATTCTAGAGAAGTACGGATACCTCAA
TGAACAGGTCCCAAAGCTCCACCTCCACTCGATTCAGCGATGCCATCAGAGCGTTTCAGTGGGTGTC
CAGCTACCTGTCAGCGGCGTGTGGACCGGCCACCCTGCGCCAGATGACTCGTCCCGCTGCGGGGTTA
CAGATACCAACAGTTATGCGGCCTGGGCTGAGAGGATCAGTGACTTGTTTGCTAGACACCGACCAAAT
GAGGCGTAAGAAACGCTTTGCAAAGCAAGGTGAGCACTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218383 representing NM_001032278
Red=Cloning site Green=Tags(s)
MVARVGLLLRALQLLLWGHLDLDAQPAERGGQELRKEAEAFLEKYGYLNEQVPKAPTSTRFSDAIRAFQWVS
QLPVSGVLDRAITLRQMTRPRCGVTDNTSYAAWAERISDLFARHRTKMRRKRFAKQGEHC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8004_g09.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_001032278

ORF Size: 390 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001032278.3](#)

RefSeq Size: 1042 bp

RefSeq ORF: 393 bp

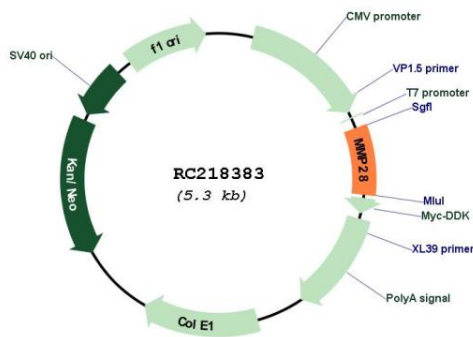
Locus ID: 79148

UniProt ID: [Q9H239](#)

Cytogenetics: 17q12
Protein Families: Druggable Genome, Protease, Secreted Protein
MW: 14.93 kDa

Gene Summary: Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix for both normal physiological processes, such as embryonic development, reproduction and tissue remodeling, and disease processes, such as asthma and metastasis. This gene encodes a secreted enzyme that degrades casein. Its expression pattern suggests that it plays a role in tissue homeostasis and in wound repair. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Apr 2014]

Product images:



Circular map for RC218383