

## Product datasheet for **RG210935**

### MMP26 (NM\_021801) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MMP26 (NM\_021801) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** MMP26  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG210935 representing NM\_021801  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGCTCGTCATCTTAAGAGTTACTATCTTCTTGCCCTGGTGTTCGCCGTTCCAGTGCCCCCTGCTG  
CAGACCATAAAGGATGGGACTTTGTTGAGGGCTATTTCCATCAATTTTCCTGACCAAGAAGGAGTCGCC  
ACTCCTTACCCAGGAGACACAAACACAGCTCCTGCAACAATTCATCGGAATGGGACAGACCTACTTGAC  
ATGCAGATGCATGCTCTGCTACACCAGCCCCACTGTGGGGTGCCTGATGGGTCGACACCTCCATCTCGC  
CAGGAAGATGCAAGTGAATAAGCACACTTAACCTACAGGATTATCAATTACCCACATGATATGAAGCC  
ATCCGCAGTGAAAGACAGTATATATAATGCAGTTCCATCTGGAGCAATGTGACCCCTTTGATATCCAG  
CAAGTGCAGAATGGAGATGCAGACATCAAGTTTTCTTCTGGCAGTGGGCCCATGAAGATGTTGGCCCT  
TTGATGGGCCAGGTGGTATCTTAGGCCATGCCTTTTTACCAAATCTGGAAATCCTGGAGTTGTCCATTT  
TGACAAGAATGAACACTGGTCAGCTTCAGACACTGGATAAATCTGTTCTGTTGCAACTCATGAGATT  
GGGCATTCTTTGGGCCTGCAGCACTCTGGGAATCAGAGCTCCATAATGTACCCCACTTACTGGTATCAGC  
ACCCTAGAACCTTCCAGCTCAGTGCCGATGATATCCAAAGGATCCAGCATTTGTATGGAGAAAAATGTTCC  
ATCTGACATACCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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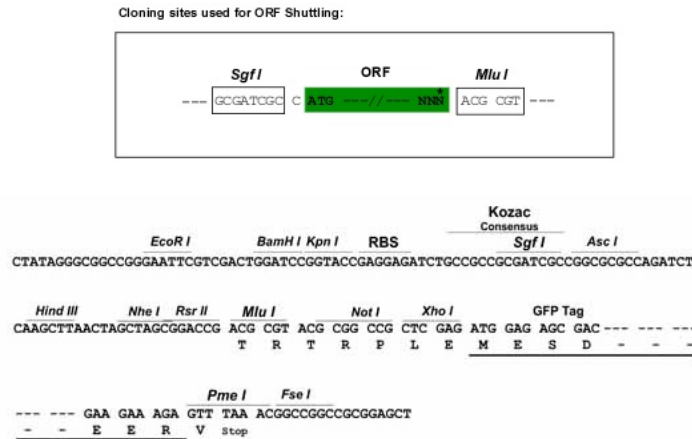
**Protein Sequence:** >RG210935 representing NM\_021801  
 Red=Cloning site Green=Tags(s)

MQLVILRVTI FL PWCFAVPVPPAADHKGWDFVEGYFHQFFLTKKESPLL TQETQTQLLQQFHRNGTDLLD  
 MQMHALLHQPHCGVPDGS DTSISPGRCKWNKHTLTYRIINYPHDMKPSAVKDSIYNAVSIWSNVTPLIFQ  
 QVQNGDADIKVSFWQWAHEDGWPF DGGPILGHAF L P NSGNPGVVHFDKNEHWSASDTGYNLFLVATHEI  
 GHSLGLQHSGNQSSIMYPTYWYHDPRTFQLSADDIQR IQHLYGEKCSSDIP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_021801

**ORF Size:** 783 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\\_021801.5](#)

**RefSeq Size:** 998 bp

**RefSeq ORF:** 786 bp

**Locus ID:** 56547

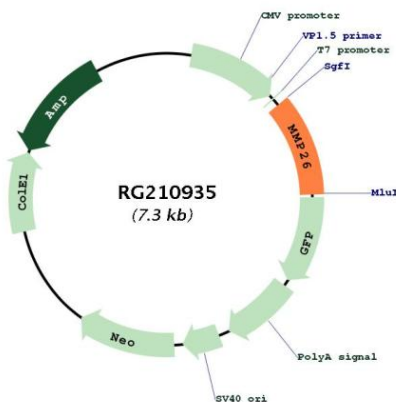
**UniProt ID:** [Q9NRE1](#)

**Cytogenetics:** 11p15.4

**Protein Families:** Druggable Genome, Secreted Protein

**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. 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]

### Product images:



Circular map for RG210935