

Product datasheet for **MG207900**

Mmp11 (NM_008606) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Mmp11 (NM_008606) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Mmp11 |
| Synonyms: | MMP-11; SL-3; ST; ST3; Stmy; Stmy3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG207900 representing NM_008606
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCACGGGCCCTGTCTCCTCCGCGGATTTCCGCGCTCCTCTGCTCCCGCTGCCTCTGCTGCTCC
 TGTTGCTGCTGCTCCTGCCGTCGCCGCTGATGGCCCGGGCCAGGCCACCGAGAGTCACCGTCATCACCC
 TGTGAAGAAAGGCCCTCGGCTCCTGCATGCAGCTCTGCCTAATACCTTGACATCTGTCCCGCGTCTCAT
 TGGGTCCCTAGTCTGCCGGTAGCTCCAGGCTCTACGATGTGGTGTGCCGACCTGCCTGATGACTGA
 ATGCCCGAACCGACAGAAGCGCTTCGCTCCTGTCAGGAGGACGCTGGGAGAAGACAGACCTCACCTATAG
 GATCCTCCGGTCCCATGGCAGCTTGTAAAGGGAGCAAGTCCGGCAGACAGTGGCAGAGGCCCTCCAGGTA
 TGGAGTGAAGTGACCCCACTCACTTTCACTGAGGTGCACGAGGGACGCGTGCATCATGATCGACTTCG
 CCAGGTAAGTGGCAGCAACTTGCCTTTGACGGCCTGGGGCATCCTGGCCCATGCCTTCTTCCC
 TAAGACCCACCGAGAAGGGGATGTCACCTTTGACTATGATGAAACTTGGACTATTGGGGACAACCGGGA
 ACTGACCTGCTGCAAGTGGCGGCTCATGAATTTGGCCATGTTCTGGGGCTACAACGCACCACAGCAGCTA
 AGGCCCTCATGTCCCCTTCTACACCTTCCGCTACCCTCTGAGCCTTAGCCAGATGACCGAAGGGGCAT
 CCAGCACCTCTATGGCGGCCCCAGATGGCCCCACCTCCCCGCCCAACTTTGAGCTCCAGGCTGGG
 ACAGATACCAATGAGATTGCACTGCTGGAGCCGAAACCCGCCAGATGTCTGTGAGACTTCTTCGACG
 CGGTTTCCACCATCCGAGGAGAGCTCTTCTTCAAGGCAGGCTTTGTGTGGAGGCTGCGCAGTGGGCG
 ACTGCAGCCCGGATCCTGCTTTGGCCTCTCGGCACTGGCAAGGACTGCCAGCCCTGTGGATGCAGCT
 TTTGAGGATGCCAGGCCAGATTTGGTCTTCCAAGTGCTCAGTACTGGGTATATGATGGTGAAGAAGC
 CAGTCTTAGCCCTGCACCACTCTCAAGCTGGGCCTGCAAGGGTCCCGAGTTCATGCCGCTTGGTCTG
 GGTCTCTGAGAAGAACAAGATCTACTTCTCCGAGGTGGAGACTATTGGCGTTTCCACCCAGAACCCAG
 CGAGTGGACAATCCCGTCCCGCGCTCCACTGACTGGCGAGGGGTACCTTCTGAGATTGATGCTGCCT
 TCCAGGATGCTGAGGGCTATGCCTACTTCTTCTGCGCCATCTCTACTGGAAGTTTATCCCGTGAAGGT
 GAAGGTCTAGAAGGCTTCTCGCCCCGTAGGCTCTGACTTCTTTGACTGTGCTGAGCCTGCCAATACT
 TTCCGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

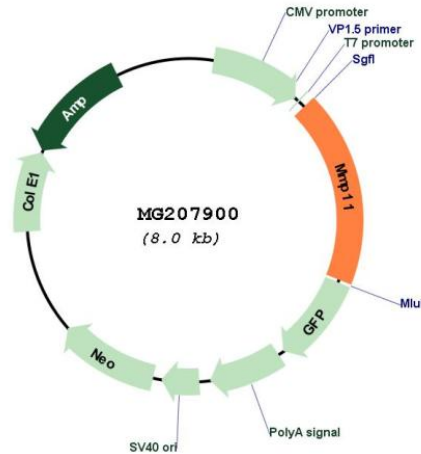
>MG207900 representing NM_008606
 Red=Cloning site Green=Tags(s)

MARAACLLRAISRVLPLPLLLLLLLLLPSPLMARARPPESHHPVKKGPRLHAAALPNTLTSVPASH
 WVPSPAGSSRPLRCGVDPDLVDLNRNRQKRFVLSGGRWEKTDLTYRILRFPWQLVREQVRQTVAEALQV
 WSEVTPLTFTEVHEGRADIMIDFARYWHGDNLPFDGPGGILAHAFPKTHREGDVHFDYDEWTIGDNQG
 TDLLQVAHEFGHVLGLQRTTAAKALMSPFYTFRYPLSLSPDDRRGIQHLYGRPQMAPTSPAPTLSSQAG
 TDTNEIALLEPETPPDVCETSFDAVSTIRGELFFFKAGFVWRLRSGRLQPGYPALASRHWQGLPSPVDAA
 FEDAQGQIWWFQGAQYWYDGEKPVLPAPLSKLGQSPVHAALVWGPEKNKIYFRGGDYWRFHPRTQ
 RVDNVPVRRSTDWRGVPSEIDAAFQDAEGYAYFLRGHLYWKFDPVKVLEGFPRPVPDFDCAEPANT
 FR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Plasmid Map:


ACCN: NM_008606

ORF Size: 1476 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_008606.2](#), [NP_032632.1](#)

RefSeq Size: 2247 bp

RefSeq ORF: 1479 bp

Locus ID: 17385

UniProt ID: [Q02853](#)

Cytogenetics: 10 38.62 cM

Gene Summary: This gene encodes a member of the matrix metalloproteinase family of endopeptidases that are involved in remodeling extracellular matrix during, for example, embryonic development and tumor progression. The encoded protein undergoes post-translational proteolytic processing by furin endopeptidase to form an active enzyme. Subcutaneous introduction of cells expressing the encoded protein into nude mice results in increased tumor incidence. Mice lacking the encoded protein exhibit a decreased incidence of chemically-induced tumors. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]