

Product datasheet for **MR207900**

Mmp11 (NM_008606) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmp11 (NM_008606) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mmp11
Synonyms:	MMP-11; SL-3; ST; ST3; Stmy; Stmy3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207900 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCACGGGCCCTGTCTCCTCCGCGGATTTCCGCGTCTCTCTGCTCCCGTGCCTCTGCTGCTCC
 TGTTGCTGCTGCTCTGCGTCCGCTGATGGCCCGGGCCAGGCCACCGAGAGTCACCGTCATCACCC
 TGTGAAGAAAGGCCCTCGGCTCCTGCATGCAGCTCTGCCTAATACCTTGACATCTGTCCCGCGTCTCAT
 TGGGTCCCTAGTCTGCCGGTAGCTCCAGGCTCTACGATGTGGTGTGCCGACCTGCCTGATGACTGA
 ATGCCCGAACCGACAGAAGCGCTTCGCTCTGTCAGGAGGACGCTGGGAGAAGACAGACCTCACCTATAG
 GATCCTCCGGTCCCATGGCAGCTTGTAAAGGGAGCAAGTCCGGCAGACAGTGGCAGAGGCCCTCCAGGTA
 TGGAGTGAAGTGACCCCACTCACTTTCAGTGGGTGCACGAGGGACGCGTGCATCATGATCGACTTCG
 CCAGTACTGGCATGGTACAACCTGCCGTTTACGGGCTGGGGCATCCTGGCCCATGCCTTCTTCCC
 TAAGACCACCGAGAAGGGGATGCCACTTTGACTATGATGAAACTTGGACTATTGGGGACAACCGGGA
 ACTGACCTGCTGCAAGTGGCGGCTCATGAATTTGGCCATGTTCTGGGGCTACAACGCACCACAGCAGCTA
 AGGCCCTCATGTCCCCTTCTACACCTCCGCTACCCTCTGAGCCTTAGCCAGATGACCGAAGGGGCAT
 CCAGCACCTCTATGGCGGCCCCAGATGGCCCCACCTCCCCGCCCAACTTTGAGCTCCAGGCTGGG
 ACAGATACCAATGAGATTGCACTGCTGGAGCCGAAACCCGCCAGATGTCTGTGAGACTTCCTTCGACG
 CGGTTTCCACCATCCGAGGAGAGCTCTTCTTCAAGGCAGGCTTTGTGTGGAGGCTGCGCAGTGGGCG
 ACTGCAGCCCGGTATCCTGCTTGGCCTCTCGCACTGGCAAGGACTGCCAGCCCTGTGGATGCAGCT
 TTTGAGGATGCCAGGCCAGATTTGGTCTTCCAAGTGCTCAGTACTGGGTATATGATGGTGAAGAAGC
 CAGTCTTAGCCCTGCACCACTCTCAAGCTGGGCTGCAAGGGTCCCCAGTTCATGCCGCTTGGTCTG
 GGTCTCTGAGAAGAACAAGATCTACTTCTTCCGAGGTGGAGACTATTGGGTTTTCCACCCAGAACCCAG
 CGAGTGGACAATCCCGTCCCGCGCTCCACTGACTGGCGAGGGGTACCTTCTGAGATTGATGCTGCCT
 TCCAGGATGCTGAGGGCTATGCCTACTTCTTCTGCGCCATCTCTACTGGAAGTTTGATCCCGTGAAGGT
 GAAGGTCTAGAAGGCTTCTCGCCCCGTAGGTCCTGACTTCTTTGACTGTGCTGAGCCTGCCAATACT
 TTCCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207900 protein sequence
 Red=Cloning site Green=Tags(s)

MARAACLRAISRVLPLPLLLLLLLLLPSPLMARARPPESHRRHPVKKGPRLHHAALPNTLTSVPASH
 WVPSPAGSSRPLRCGVPDLPDVLNARNRQKRFVLSGGRWEKTDLYRILRFPWQLVREQVRQTVAEALQV
 WSEVTPLTFTEVHEGRADIMIDFARYWHGDNLPFDGPGGILAHAFPKTHREGDVHFDYDETTWTIGDNQG
 TDLLQVAHEFGHVLGLQRTTAAKALMSPFYTFRYPLSLSPDDRGIQHLYGRPQMAPTSPAPTLSSQAG
 TDTNEIALLEPETPPDVCETSFDVAVSTIRGELFFFKAGFVWRLRSGRLQPGYPALASRHWQGLPSPVDAA
 FEDAQGQIWFQGAQYWYVDGEKPVLPAPLSKLGQSPVHAALVWGPEKNKIYFRGGDYWRFHPRQTQ
 RVDNVPVRRSTDWRGVPSEIDAAFQDAEGYAYFLRGHL YWKFDPVKVKVLEGFPRPVGPDFDCAEPANT
 FR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_008606

ORF Size: 1479 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_008606.1](#), [NM_008606.2](#), [NM_008606.3](#), [NP_032632.1](#)

RefSeq Size: 2247 bp

RefSeq ORF: 1479 bp

Locus ID: 17385

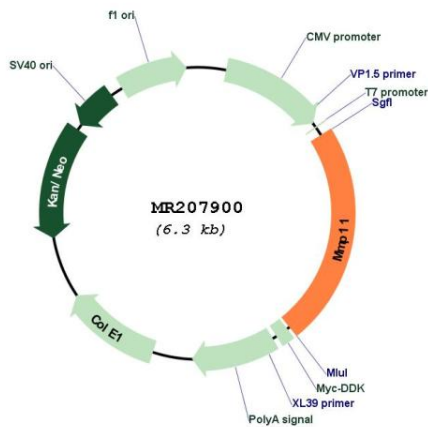
UniProt ID: [Q02853](#)

Cytogenetics: 10 38.62 cM

MW: 55.5 kDa

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]

Product images:



Circular map for MR207900