

Product datasheet for **MR210386**

Maml2 (BC053388) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Maml2 (BC053388) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Maml2
Synonyms:	5930431H10; BC032967
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR210386 representing BC053388
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGGACACAGCGCCCCCGCAGGCCCGCAGGAGGTTGGGAGGGCTTCTGGGGCGGGCTCCTTG
 GAGGGGGCTCAGTCACTCCGAGAGTGCACAGTGCATTGTGGAACGCCTGCGGGCTCGCATTGCTGTCTG
 CCGACAGCACCACCTGAGCTGTGAAGGACGCTATGAACGTGGTAGGGCTGAGAGCTCAGACCCGAGAGAGG
 GAGAGCACCGTGCAGTTCTCAGCCTGGTGCAGCATGGTCAGGGGCAAGGAAGGCTAGCAAACATGCTA
 AGGCTACAGTCGCGACTGCCACTACCACAGCTCCTCCACCGCCCCCTACTGCCCTCCTGTGGCCTCCCA
 AGCGGCAGCCACGGCCCCACCACCTCCACCAGACTATCACCATCACCATCAGCAGCACCGGCTGACCAGT
 AATGATAACGGTGGGATAAACCGAGAGCAGCCGCCAGCTTCGACCCCGGGGACCAGCGAACTCAGCCC
 TGCTTGCCTCCAGGGCTCTTTGAAAAGAAAGCAAATAGTCAACTTGCTCCTGCCAACAGCAAGAGGCC
 CAATGGCTTTGTTGACAGCTCATTCTTGACATCAAAGGATCAGAGTTGGGAGAACCTTTCTACAGGT
 CAGGGGGCTCCAGTAATAATGGACAAAGTCAAATGATGCCAGGGCCCTTGACCATGAATCAAGCAC
 CCCTGAGGAAGACTAATGCTCTACCACCTCCTGCACATCCCCTGGCAACAATTTGTTTAAACATGGGCTT
 AAAGGAGGTGAAGAAAGAACCTGGGGAGACCCTGTCTTGACAGTAAGCACATGAGTGACCAAATGACACAA
 GAGAGTGTCTTACTAATAGGTTGGAGATGACCCTGGAGATCAACTGATGGACCCTGAGCTACAGGAAC
 TGTTCAATGAACAAACATATCAGTGCCTCCCATGAGTGACCTGGAGCTGGAGAATGATCAATGC
 TACCATTAAGCAAGATGACCCGTTTGGCATTGACTTGGGTGAGCAGAGCCAGAGGAGCACACCTAGACCC
 TCCCTGCCCATGGAGAAGATCATTATCAAAGTGAATATTCACCTGGTTTGACACAAGGCCTTCAGGCT
 CTCCCAGCTGAGACCCCCATCAGCTGGCCCTGCATTTTCTTGCTAACTCTGCACCTCCACTTCATC
 CCCAATCCACAAATCCCCAGAGTCAGCCTCAGCTTCAGACAGTATCAGGAGCAAACAGGGCCCTGTCA
 AGCTGGCAAGAAGTATCCCATGCTCAACAGCTCAAGCAGATAGCTGCAAACCGCCAGCAGCATGCACGGA
 TGCAGCAGCAGCAACAGCAGCAGCAGCAGCCATCTCCAGCTGGCCAGCCTTGACGTCCTCTGCTGG
 GCCATCCCAGGAGCATTGTGACAGAAAAATCCCTAGCCCTTCTTCAGCCAGCAACCATTAGTCCA
 CAGGGATCCCCATGCCTGGGGTACTGGCAGCAACACCCAGTCTAAAGCAGCGGCAATTACACGTACA
 AGGCCAGCCCCTCAGCCCAGGCTGGACACCTGGATGTGCTTCTGCAGCAAAGCCTCAGGAGCTCAATCG
 AAGCTTCATTAATAACCCACACCCAGCCTTGGAGCCCGGCATGGCAATACCAAGCCTTTGTTCCATTTT
 AACTCAGACCAAGCAAACCAGCAGATGCCTTCTCTTTGCCTTCCAGAGCAAACCTTCTCTCTTGCACCT
 ATACCCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAACAACAACAACAACAACAGCAGCAGCA
 ACAGCAGCAGCAACAACAACAACAGCAGCAGCAACAACAACAGCAGCAGCAACAACAACAACAGCAA
 GGCTCCCTGGCAGCTCAGCAGCAGCAGCAGCCACAGCCACAGAGTTCATTGGTAGCTCAGCAGCAGC
 AACAGCAGCAGCAGCAGCAGCAGCAAGTTTATTGACAGCTCAGCAGCAGCAGCAACAGCAGCAGCAGCA
 GCAACCATCGCAACCCACCCATGCTTTATCAAGCCAGCCTTTGCTAAGGTCACCCTTACAACCTCAGCAA
 AAGATCATGCTTCAGAAAATGCAAACCTCAGTCCATCACAGGCCTGGGATATCAAGTCACTCAACAGCACA
 GACAGGTAAGGGCTCTGGTACTTGGCCCCAGAACTCCCACCAAGTAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210386 representing BC053388
 Red=Cloning site Green=Tags(s)

MGDTAPPQAPAGGLGGASGAGLLGGGSVTPRVHSAIVERLRARIAVCRQHHLSCGGRYERGRAESSDRER
 ESTVQLLSLVQHGGQARKASKHAKATVATATTTAPPPPTAPPVASQAAATAPPPPPDYHHHHQHRLLTS
 NDNGGINREQPPASTPGDQRNSALLALQGLKRRQIVNLSPANSKRPNFVDSFLDIKIRVGENLSTG
 QGGLPVNNGQSQMMPGPLTMNQAPLRKTNALPPAHSPGNLFFNMGLKEVKKEPGETLSCSKHMSDQMTQ
 ESVFTNRFGDDPGDQLMDPELQELFNELTNI SVPPMSDLELENMINATIKQDDPFIDLGQQSQRSTPRP
 SLPMEKIIIKSEYSPGLTQGTSGSPQLRPPSAGPAFSLANSALSTSSPIPTIPQSQPQLQTVSGANRALS
 SWQEVSHAQQLKQIAANRQQHARMQQQQQQQQQSPSPWPALQSSAGSPGAFVQEKIPSPFSQQPFSP
 QGSPMPGVTGSNTQSKAAANYTYKASPSAQAGHLDVLLQKPKQELNRSFINNPHPALEPRHGNTKPLFHF
 NSDQANQQMPSLLPSQSKPSLLHYTQQ
 GS�AAQQQQQPQSSLVAQQQQQQQQQQGSLTAQQQQQQQQQPSPQTHALSSQPLLRSPQLQLQQ
 KIMLQKMQTQSIITGLGYQVTQHRQVRALVLPRTPTSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

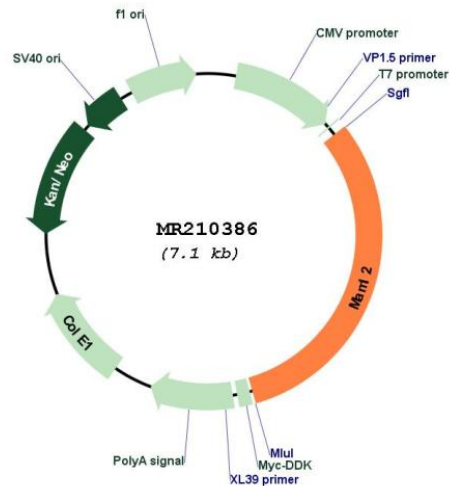
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: BC053388

ORF Size: 2217 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: [BC053388.1](#)

RefSeq Size: 2955 bp

RefSeq ORF: 2219 bp

Locus ID: 270118

Cytogenetics: 9 A1

MW: 108.4 kDa