

Product datasheet for **MR219433**

Maml2 (NM_173776) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Maml2 (NM_173776) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Maml2
Synonyms: 5930431H10; BC032967
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR219433 representing NM_173776
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACTCCCAGCAGTCCCTGTTGAATCAGCAGATGATGGGAAGAAACAGACCCTGCAGAGACCAACCA
TGGAGCAGAAGCAGCAACTTCTCCTCCAGCAGCAGATGCTGGCTGATGCGGAGAACTTTCCCTCAGGA
TCAGATGAACAGACATCTGACAAGGCCGCCCCAGACTACAAAGACCAAAGAAGAAATACGGGCACCCTG
CAGCCAGCTGCTCAGTATTCGGTGGCTCCTCTACAGTGAGTTAACTCTAACCAGGCTCTGACAAACC
CAGTTTCAACACACACCATTTAACTCCAACTCCAGCCTCATGTCTACGTCTCATGGGATGAGAATGCC
ATTGTTATCTACAGTTCAGAACATAGGGATGTATGGAAACCTGCCTTGTAAACAGCCTGGCACCTACAAC
GTCACTTCAACAATGAACCAGCTGACACAACAGAGAAATACAACCTCAACTGATAACAAATCAGAACAACC
CTCTGATGTCTCGGCCATCTCCCTTAGGGGCAAATAACGGTAACAATGTGGCCACCTTTGGAGCTGGATC
TGCTGGCAGTTTACAGCAATTGAGACCAAAATTTGGCTCACAGTTTGTGAGGATGTGAGCCAGAGGTCA
TCAACTGTATGATCACAGCCAACACGACAGCAACAACTGGGCTTCTCAAGAGGTGACAGGAAACAAC
AGGAAGCCCTCAAATCCACAGGAGTCCGGTCCCAACAAGTACACCTGCAGCCTATACCCCAAACAGTC
TTTGCAACCAGGAGTAGGAGCCAGCCATTTCCAGAGGGCAGTGGCACCCCTAGCCAGTTATCGCCA
GCAGTGCAAATGAGACCTATGAACCAAATGAATCAGGCATTAATGGGCAAACCCCTGGTTCACTCAGGG
GGTTGAACCTCAGACCCAATCAGCTGGCCGCCAGAGCCTGTCTAATATGAACCCATCAGGACAGGATT
GAATCATCCCAGGACAGGCACCAACCAGCCTCCATCCCTGACACCTAACGCTTTTCTTCAACCAAA
AGTTCAGGGCTTTTCAAGGACCTGATCATGGCAGTGATTTAGCTTTTGACTTCTCAGCCAACAGAGCG
ACAGCATGTGCCCTGCCCTAAACAGTGATGCTGATTTTCATCGATTCTTTATTGAAGACAGAGCCTGGTAA
TGACGACTGGATGAAAGATATCAACCTTGATGAGATCCTGGGAAGCAATTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR219433 representing NM_173776
Red=Cloning site Green=Tags(s)

MNSQQSLLNQMMGKKQTLQRPTMEQKQQLLLQQQMLADA EKLSPQDQMN RHLTRPPPDYKDQRRNTGTL
 QPAAQYSGGSSTVSLNSNQAL TNPVSTHTILTPNSSLMSTSHGMRMPLLSTVQNI GMYGNLPCNQPGTYN
 VTSTMNQLTQQRNTTQLITNQNNPLMSRPSPLGANNGNNVATFGAGSAGSSQQLRPNLAHLSGMSAQRS
 STVMITANTTATN WASQEVTGKQQEALKSTGVRFPSTPAAYTPNQSLQPGVGSQPF SQRAVAPPSQLSP
 AVQMRPMNQMNQALNGQTLGSLRGLNLRPNQLAAQSLSNMNP SGTGLNHPRTGTNQPPSLTPNAFPSSNQ
 SSRAFQGPDPHGSDLA FDFLSQQSDSMCPALNSDADFIDSL LKTEPGNDDWMKDINLDEILGSNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_173776

ORF Size: 1242 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_173776.3](#), [NP_776137.2](#)

RefSeq Size: 4452 bp

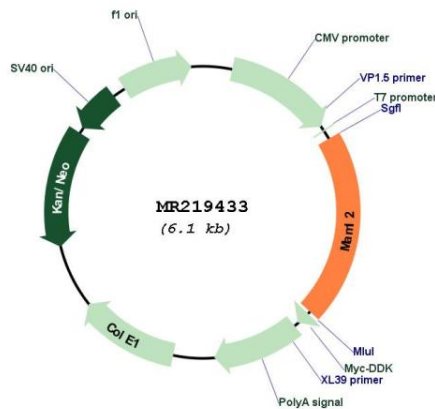
RefSeq ORF: 1245 bp

Locus ID: 270118

Cytogenetics: 9 A1

MW: 45 kDa

Product images:



Circular map for MR219433