

Product datasheet for **MG219433**

Maml2 (NM_173776) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Maml2 (NM_173776) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Maml2
Synonyms: 5930431H10; BC032967
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG219433 representing NM_173776
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGCTCCAGCAGTCCCTGTTGAATCAGCAGATGATGGGAAGAAACAGACCCTGCAGAGACCAACCA
 TGGAGCAGAAGCAGCAACTTCTCCTCCAGCAGCAGATGCTGGCTGATGCGGAGAACTTTCCCTCAGGA
 TCAGATGAACAGACATCTGACAAGGCCGCCCCAGACTACAAAGACCAAAGAAGAAATACGGGCACCCTG
 CAGCCAGCTGCTCAGTATTCGGGTGGCTCCTCTACAGTGAGTTAACTCTAACCAGGCTCTGACAAACC
 CAGTTTCAACACACACCATTTTAACTCCAACTCCAGCCTCATGTCTACGTCTCATGGGATGAGAATGCC
 ATTGTTATCTACAGTTCAGAACATAGGGATGTATGGAAACCTGCCTTGTAAACAGCCTGGCACCTACAAC
 GTCACCTTCAACAATGAACCAGCTGACACAACAGAGAAATACAACCTCAACTGATAACAAATCAGAACAACC
 CTCTGATGTCTCGGCCATCTCCCTTAGGGGCAAAATAACGGTAACAATGTGGCCACCTTTGGAGCTGGATC
 TGCTGGCAGTTTACAGCAATTGAGACCAAAATTTGGCTCACAGTTTGTGAGGATGTCAGCCAGAGGTCA
 TCAACTGTATGATCACAGCCAACAGCAGCAACAACTGGGCTTCTCAAGAGGTGACAGGAAACAAC
 AGGAAGCCCTCAAATCCACAGGAGTCCGGTCCCAACAAGTACACCTGCAGCCTATACCCCAAACAGTC
 TTTGCAACCAGGAGTAGGGAGCCAGCCATTTCCAGAGGGCAGTGGCACCCCTAGCCAGTTATCGCCA
 GCAGTGCAAATGAGACCTATGAACCAAATGAATCAGGCATTAATGGGCAACCCCTGGTTCACTCAGGG
 GGTTGAACCTCAGACCCAATCAGCTGGCCGCCAGAGCCTGTCTAATATGAACCCATCAGGGACAGGATT
 GAATCATCCCAGGACAGGCACCAACCAGCCTCCATCCCTGACACCTAACGCTTTTCTTCAACCAAA
 AGTTCCAGGGCTTTTCAAGGACCTGATCATGGCAGTGATTTAGCTTTTGACTTCTCAGCCAACAGAGCG
 ACAGCATGTGCCCTGCCCTAAACAGTGATGCTGATTTTCATCGATTCTTTATTGAAGACAGAGCCTGGTAA
 TGACGACTGGATGAAAGATATCAACCTTGATGAGATCCTGGGAAGCAATTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219433 representing NM_173776
 Red=Cloning site Green=Tags(s)

MNSQQSLLNQMMGKKQTLQRPTMEQKQQLLLQQQMLADA EKLSPQDQMN RHLTRPPPDYKDQRRNTGTL
 QPAAQYSGGSSTVSLNSNQAL TNPVSTHTILTPNSSLMSTSHGMRMPLLSTVQNI GMYGNLPCNQPGTYN
 VTSTMNQLTQQRNTTQLITNQNNPLMSRPSPLGANNGNNVATFGAGSAGSSQQLRPNLAHLSGMSAQRS
 STVMITANTTATN WASQEVTGKQQEALKSTGVRFPSTPAAYTPNQSLQPGVGSQPF SQRVAPPSQLSP
 AVQMRPMNQMNQALNGQTLGSLRGLNLRPNQLAAQSLSNMNPSTGLNHPRTGTNQPPSLTPNAFPSSNQ
 SSRAFQGPDHGSDLAFFDLSQQSDSMCPALNSDADFIDSLKTEPGNDDWMKDINLDEILGSNS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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](#)

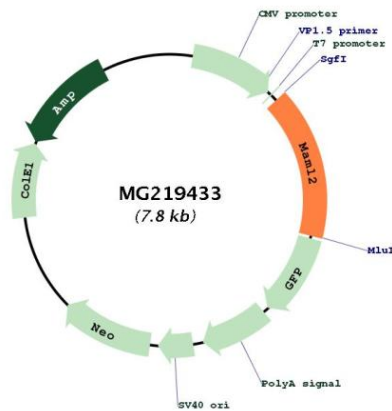
RefSeq Size: 4452 bp

RefSeq ORF: 1245 bp

Locus ID: 270118

Cytogenetics: 9 A1

Product images:



Circular map for MG219433