

Product datasheet for **MG219472**

Maml2 (NM_001013813) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Maml2 (NM_001013813) 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:	>MG219472 representing NM_001013813, codon optimized . Due to the complexity of NM_002856, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGAGACACAGCGCCTCCGCAGGCTCCAGCAGGAGGGTTGGGAGGTGCTTCTGGAGCGGGTCTCCTTG
GAGGTGGCTCAGTCACTCCGAGAGTGCACAGTGTATTGTGGAACGCCTGCGGGCTCGCATTGCTGTCTG
CCGACAGCACCACCTGAGCTGTGAAGGACGCTATGAACGTGGTAGGGCTGAGAGCTCAGACCGAGAGAGG
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AGGCTACAGTCGCGACTGCCACTACCACAGCTCCTCCACCGCCCCCTACTGCCCTCCTGTGGCCTCCCA
AGCGGCAGCCACGGCCCCACCACCTCCACCAGACTATCACCATCACCATCAGCAGCACCGGCTGACCAGT
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TGCTTGGCTCCAGGGCTTTTGGAAAAGAAAGCAAATAGTCAACTGTCTCCTGCCAACAGCAAGAGGCC
CAATGGCTTTGTTGACAGCTCATTCTTGACATCAAAGGATCAGAGTTGGGGAGAACCTTTCTACAGGT
CAGGGGGCCCTCCAGTAAATAATGGACAAAGTCAAATGATGCCAGGGCCCTTGACCATGAATCAAGCAC
CCCTGAGGAAGACTAATGCTCTACCACCTCCTGCACATCCCCTGGCAACAATTTGTTTAAACATGGGCTT
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TACCATTAAGCAAGATGACCCGTTTGGCATTGACTTGGGTGAGCAGAGCCAGAGGAGCACACCTAGACCC
TCCTGCCATGGAGAAGATCATTATCAAAGTGAATATTCACCTGGTTTGACACAAGGCACTTCAGGCT



CTCCCCAGCTGAGACCCCATCAGCTGGCCCTGCATTTTCCTTGGCTAACTCTGCACTCTCCACTTCATC
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CAGGGATCCCCATGCCTGGGGTGAAGTGGCAGCAACACCCAGTCTAAAGCAGCGGCAATTACACGTACA
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

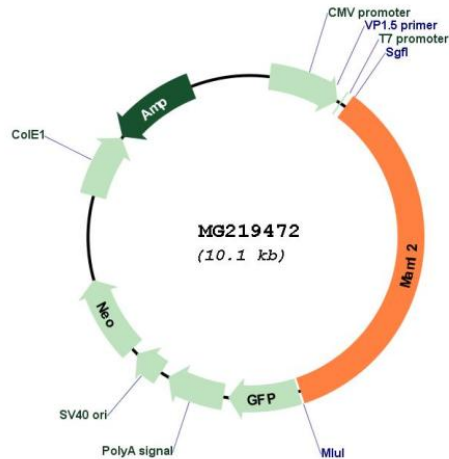
Protein Sequence: >MG219472 representing NM_001013813
 Red=Cloning site Green=Tags(s)

MGDTAPPQAPAGGLGGASGAGLLGGGSVTPRVHSAIVERLRARIAVCRQHHLSCGGRYERGRAESSDRER
 ESTMQLLSLVQHGGQARKASKHAKATVATATTTAPPPPTAPPVASQAAATAPPPPPDYHHHHQHRHTS
 NDNGGINREQPPASTPGDQRNSALLALQGS�KRKQIVNLSPANSKRPNQGFVSSFLDIKIRVGENLSTG
 QGGLPVNNGQSQMMPGPLTMNQAPLRKTNALPPAHSPGNLNFNMLKEVKKEPGETLSCSKHMSDQMTQ
 ESVFTNRFGDDPGDQLMDPELQELFNELTNI SVPPMSDLELENMINATIKQDDPFIDLGQQSQRSTPRP
 SLPMEKIIIKSEYSPGLTQGTSGSPQLRPPSAGPAFSLANSALSTSSPIPTIPQSQPQLQTVSGANRALS
 SWQEVSHAQQLKQIAANRQQHARMQQQQQQQQQSPSPWPALQSSAGSPGAFVQEIPSPSFSQQPFSP
 QGSPMPGVTGSNTQSKAAANYTYKASPSAQAGHLDVLLQKQPQELNRSFINNHPHALEPRHGNTKPLFHF
 NSDQANQQMPSLLPSQSKPSLLHYTQQ
 QGSLAAQQQQQPQPSLVAQQQQQQQQQQQQGSLTAQQQQQQQQQPSPQTHALSSQPLLRSPQLQ
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 LNSNQALTNPVSTHTILTPNSSLMSTSHGMRMPLLSTVQINIGMYGNLPCNQPGTYNVTSTMNQLTQQRNT
 TQLITNQNNPLMSRPSPLGANNGNVATFGAGSAGSSQQLRPNLAHSLGMSAQRSSTVMITANTTATNW
 ASQEVTKQQEALKSTGVRFPSTPAAYTPNQSLQPGVGSQPFQRAVAPPSQLSPAQMRPMNQMNQAL
 NGQTLGSLRGLNLRPNQLAAQSLSNMNPSTGLNHPRTGTNQPPSLTPNAFSSNQSSRAFQGPDPHGSDL
 AFDFLSQQSDSMCPALNSDADFIDSLKTEPGNDDWMKDINLDEILGSNS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI
 Cloning Scheme:



Plasmid Map:


ACCN: NM_001013813

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_001013813.3](#), [NP_001013835.2](#)

RefSeq Size: 6548 bp

RefSeq ORF: 3513 bp

Locus ID: 270118

Cytogenetics: 9 A1