

## Product datasheet for **MG210386**

### **Maml2 (BC053388) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Maml2 (BC053388) 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)



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**ORF Nucleotide Sequence:**

>MG210386 representing BC053388  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGGACACAGCGCCCCCGCAGGCCCGCAGGAGGTTGGGAGGGCTTCTGGGGCGGGCTCCTTG  
 GAGGGGGCTCAGTCACTCCGAGAGTGCACAGTGCATTGTGGAACGCCTGCGGGCTCGCATTGCTGTCTG  
 CCGACAGCACCTGAGCTGTGAAGGACGCTATGAACGTGGTAGGGCTGAGAGCTCAGACCGAGAGAGG  
 GAGAGCACCGTGCAGTTCTCAGCCTGGTGCAGCATGGTCAGGGGGCAAGGAAGGCTAGCAAACATGCTA  
 AGGCTACAGTCGCGACTGCCACTACCACAGCTCCTCCACCGCCCCCTACTGCCCTCCTGTGGCCTCCCA  
 AGCGGCAGCCACGGCCCCACCACCTCCACCAGACTATCACCATCACCATCAGCAGCACCGGCTGACCAGT  
 AATGATAACGGTGGGATAAACCAGAGAGCAGCCGCCAGCTTCGACCCCGGGGGACCAGCGAACTCAGCCC  
 TGCTTGCCTCCAGGGCTCTTTGAAAAGAAAGCAAATAGTCAACTTGTCTCCTGCCAACAGCAAGAGGCC  
 CAATGGCTTTGTTGACAGCTCATTCTTGACATCAAAGGATCAGAGTTGGGGAGAACCTTTCTACAGGT  
 CAGGGGGCTCCAGTAATAATGGACAAAGTCAAATGATGCCAGGGCCCTTGACCATGAATCAAGCAC  
 CCCTGAGGAAGACTAATGCTCTACCACCTCCTGCACATCCCCTGGCAACAATTTGTTTAAACATGGGCTT  
 AAAGGAGGTGAAGAAAGAACCTGGGGAGACCCTGTCTTGACAGTAAGCACATGAGTGACCAAATGACACAA  
 GAGAGTGTCTTACTAATAGGTTGGAGATGACCTGGAGATCAACTGATGGACCCTGAGCTACAGGAAC  
 TGTTCAATGAACAAACATATCAGTGCCTCCCATGAGTGACCTGGAGCTGGAGAATGATCAATGC  
 TACCATTAAGCAAGATGACCCGTTTGGCATTGACTTGGGTGAGCAGAGCCAGAGGAGCACACCTAGACCC  
 TCCCTGCCCATGGAGAAGATCATTATCAAAGTGAATATTCACCTGGTTTGACACAAGGCCTTCAGGCT  
 CTCCCCAGCTGAGACCCCCATCAGCTGGCCCTGCATTTTCTTGCTAACTCTGCATCTCCACTTCATC  
 CCCAATCCACAAATCCCCAGAGTCAGCCTCAGCTTCCAGACAGTATCAGGAGCAAAACAGGGCCCTGTCA  
 AGCTGGCAAGAAGTATCCCATGCTCAACAGCTCAAGCAGATAGCTGCAAACCGCCAGCAGCATGCACGGA  
 TGCAGCAGCAGCAACAGCAGCAGCAGCAGCCATCTCCAGCTGGCCAGCCTTGACGTCTCTGCTGG  
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 AAGCTTCATTAATAACCCACACCCAGCCTTGGAGCCCCGGCATGGCAATACCAAGCCTTTGTTCCATTTT  
 AACTCAGACCAAGCAAACCAGCAGATGCCTTCTCTTTGCCTTCCAGAGCAAACCTTCTCTTGCCT  
 ATACCCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAACAACAACAACAACAACAGCAGCAGCA  
 ACAGCAGCAGCAACAACAACAACAGCAGCAGCAACAACAACAGCAGCAGCAACAACAACAACAGCA  
 GGCTCCCTGGCAGCTCAGCAGCAGCAGCAGCCACAGCCACAGAGTTCATTGGTAGCTCAGCAGCAGC  
 AACAGCAGCAGCAGCAGCAGCAGCAAGTTTATTGACAGCTCAGCAGCAGCAGCAACAGCAGCAGCAGCA  
 GCAACCATCGCAACCCACCCATGCTTTATCAAGCCAGCCTTTGCTAAGGTCACCCTTACAACCTCAGCAA  
 AAGATCATGCTTCAGAAAATGCAAACCTCAGTCCATCACAGGCCTGGGATATCAAGTCACTCAACAGCACA  
 GACAGGTAAGGGCTCTGGTACTTGGCCCCAGAACTCCCACCAAGTAT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210386 representing BC053388  
 Red=Cloning site Green=Tags(s)

MGDTAPPQAPAGGLGGASGAGLLGGGSVTPRVHSAIVERLRARIAVCRQHHLSCGGRYERGRAESSDRER  
 ESTVQLLSLVQHGGQARKASKHAKATVATATTTAPPPPTAPPVASQAAATAPPPPDYHHHHQQHRLTS  
 NDNGGINREQPPASTPGDQRNSALLALQGS�KRKQIVNLSPANSKRPNQGFVSSFLDIKIRIVGENLSTG  
 QGGLPVNNGQSQMPGPLTMNQAPLRKTNALPPAHSPGNLNFNMGLEVKKEPGETLSCSKHMSDQMTQ  
 ESVFTNRFGDDPGDQLMDPELQELFNELTNI SVPPMSDLELENMINATIKQDDPFIDLGQQSQRSTPRP  
 SLPMEKIIIKSEYSPGLTQGTSGSPQLRPPSAGPAFSLANSALSTSSPIPTIPQSQPQLQTVSGANRALS  
 SWQEVSHAQQLKQIAANRQQHARMQQQQQQQQQSPSPWPALQSSAGSPGAFVQEKIPSPFSQQPFSP  
 QGSPMPGVTGSNTQSKAAANYTYKASPSAQAGHLDVLLQKQPQELNRSFINNHPALEPRHGNTKPLFHF  
 NSDQANQQMPSLLPSQSKPSLLHYTQQ  
 GS�AAQQQQQPQSSLVAQQQQQQQQQQGSLTAQQQQQQQQQPSPQTHALSSQPLLRSPQLLQQ  
 KIMLQMQTQTSITGLGYQVTQHRQVRALVLPRTPTSD

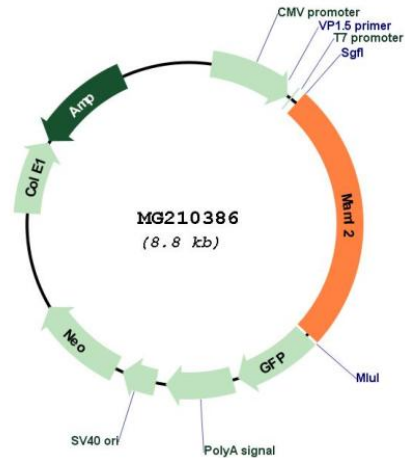
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



**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