

Product datasheet for **MR209988**

Maml3 (NM_001004176) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Maml3 (NM_001004176) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Maml3
Synonyms:	AV234550; BC049812; Mam-2; mKIAA1816
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR209988 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTC**CCCCAGCAGAGCAGCTCAAACAGATGGCTGCCAGCAACAACAGAGGGCAA**AACTCATGCAGCAGA
 AGCAACAGCAGCAGCAGCAACAGCAGCAGCAGCAGCAACAACAACAACAGCAGCACTCAAATCA
 GACTTCAAGTTGGTCTCCCTTAGGGCTCCGTCAGTCCATATGGAACAGCTTTTGCTTCAGAAAAACCA
 AATAGCCCAATGATGTACCCCAAGCCTTAAACAACAAAGCACTATAGTGCCTGCAATGGCAAACAGCC
 TGCAGAAGACGACCATGAACAACACCTCCCTTCAATCACATGAATATGATCAGTCAGCAGCCAAATAA
 CTTGGGTACAACCTCTTAAACAACAGCACAATATTCTACCTATGGCAACACTAAGCCTCTGACCCAT
 TTTAATGCGGACTTGAGTCGAGAATGACGCCCTATGGCAACCCCAACAAAACCCCTTGATGCCCT
 ACATCCAGCAGCCTCAGCAGTCGCAGCAGCCAGCCGAGCCGAGCCAGCAGCAGCCACCGCTCCCCC
 GCAGCTGCAGGCTCCAGGGCGCACCTGAGCGAGGACCAGAAACGCATGCTTCTCATTAAAGCAGAAAGGA
 GTGATGAACCCACCCATGGCCTATGCTGCGCTTCTGCCACGGTCAGGAGCAGCAGCAGTCGGTATTC
 CCCGGACCACAGGCCCTATGCAGAACTCTGTGCCCTCGGGGTCGGGCAGCATGGTCTCCGGAGCCAGTCC
 TGGGGGCTTGGATTTCTAGGCAGCCAGCCACAGGCAGCCATCATGAAGCAGATGCTAATGGACCAACGG
 GCCCAGCTGATGGAGCACCAGAAGCAACAGTTCCTTCGGGAGCAGAGGCAGCAGCAGCAACAGCAGCAGC
 AGCAGCAACAGCAGCAGCAGCAGCAGCAGCAGATCCTGGCTGAGCAGCAGTTACAGCAGCCGCACCTGCC
 CCGTCAGCACCTCCAGCAACAGCGGAACCCATACCCAGTGCAGCAGGTCAACCAGTTTCAAGGTTCAACC
 CAGGACATAGCAGCTGTGAGAAACAGGTGGCTCTCCAGAGCATGCGAGCATCGAGTTGATTGCACAGA
 ATGCGGGCATGATGGGAATGGGACCCTCCAGAACCAGGGACGATGGCTACGGCAGCAGCGCATCAGA
 GATAGGTCTGGCCTCTTACAGTGCCCTCCAACCAGCCAACCAGGAATGTACAACATGAACACAGGAATG
 ACCCAAATGTTGCAGCATTCCAATCAGAGTGGAATGGGCATCCACACAACCAATCCCAGGGACCCAGGC
 CGCCAGCTCCAGCCAGGGGTCGGCATGGTGAGCGGCTTCGGTCAGAGCATGCTGGTGAACCTCGGCTCT
 CTCGCAGCAGCACCAGCAGCTGAAAGGGTCTGTGGCCAGGCCTTGCCTAGGCCCCAGGGCCCTCCAAGG
 CTTCAGAGTGTCATGGGAACCGTCCAGCAAGGAGCACAAAACCTGGCAACAGAGGAGCTTACAAGGGTGC
 CTGGGAGGACTAGTGGGAGTTGGGACCATTCAACAATGGCGCCAGCTACCCATTGCAAGCCGTCAGCC
 AAGACTGACCAAACAGCACTTCCACAGGGGTGAGCCAGCCGTCATGGATGCTAACACTGGCGCAGTG
 AGAACCTCAACCAGCAGCTATGGGACGTGAGATGATGCCAACCTGGCAGGACAGCAGAGTGCCAGCC
 AGGTGAGGCCATTGGTCAATGCCTGGTCTGAGCCAGGGTGTCCCTGGCATGCCAGCATTACGCCAGCCCC
 AGCACAGCAGCAGATAGCGGGTGGCAACTTTGCTGCGAGCAACCAGGGCCAGGCCTATGAGCGGACCCCT
 GCTCAGGACATGTATACAGTTATAGCGGGAAGGTGTGGGGCTGCCTCCCTGGCCTCCAGACAGTA
 CAGACCTCGTGACTCCATCATCAAAGTGGCCAGGGGATGAATGGATGCAAGAGCTTGATGAACCTGTT
 TGGTAACCCC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209988 protein sequence
Red=Cloning site Green=Tags(s)

MSPAEQLKQMAAQQQRAKLMQKQKQQQQQQQQQQQQQHSNQTSSWSPLGPPSSPYGTAFASEKP
 NSPMMYPQAFNNQSTIVPAMANSLQKTTMNNYLP SNHMNISSQPNNLGTNSLNKQHNILTYGNTKPLTH
 FNADLSRMTPPMANPNKTPLMPYIQPPQSSQPPQPPPPPPQLQAPRAHLSAQKRMILLIKQKG
 VMNPPMAYAAALPAHGQEQHAVGIPRTTGPMQNSVPSGSGSMVSGASPGGLGFLGSGQPAAAIMKQMLMDQR
 AQLMEHQKQFLREQRQQQQQQQQQQQQQQQILAEQQLQPHLPRQHLQQQRNPYPVQVQVNFQGS
 QDIAAVRNQVALQSMRASRLIAQNAAGMMGMPSQNPMTATAAAQSEIGLASYSAPPTSQPGMYNMNTGM
 TQMLQHSNQSGMGIHPNQSQGPRPPASSQGVGMVSGFGQSMLVNSALSQQHQQLKGSVQALPRPQGP
 LQSVMGTVQGAQNWQQRSLQGVGRTSGELGPFNNGASYPLQAGQPRLTQHFPPQGLSQPVDANTGAV
 RTLNPAAMGRQMMPTLAGQQSASQVRPLVMPGLSQGVGMPAFSQPPAQQQIAGGNFAASNQGGAYERTP
 AQDMSYSYSGEGVGAAPGLPDSLVDLSIIKSGPGDEWMQELDELFGNP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001004176

ORF Size: 2043 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_001004176.2](#), [NP_001004176.2](#)

RefSeq Size: 6514 bp

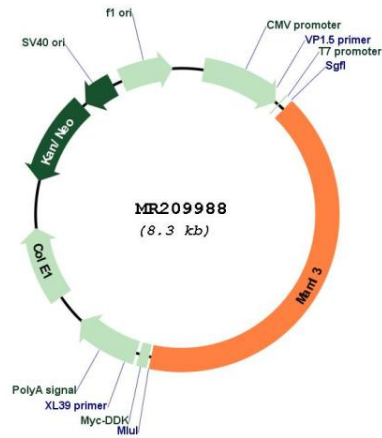
RefSeq ORF: 3408 bp

Locus ID: 433586

Cytogenetics: 3 C

MW: 74 kDa

Product images:



Circular map for MR209988