

Product datasheet for RC218910

MAML3 (NM_018717) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAML3 (NM_018717) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAML3
Synonyms:	CAGH3; ERDA3; GDN; MAM-2; mam-3; MAM2; TNRC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218910 representing NM_018717 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGATTTTCGCAGCCCCGCTGCTGCCGGAATGGCAGTAGTATTTGCATCAACAGTAGCCTGAACA
GCAGCCTCGGCGGGCCGGGATCGGTGTGAATAACTCCAATAGTACTCCCGTGTCCGAGTAGCAA
TCACCCGGCAGCCGGTGGATGCGCGGCTCCGGGGCCCCGGCGCGGTTCCGCGCCGTTCCCAAGCAC
AGCACCGTGGTGGAGCGCTCCGCCAGCGCATCGAGGGCTGCCGTCGGCACACGTCACATGCGAGAACA
GGTACCAGCAGGCTCAGGTGGAGCAGCTGGAGCTGGAGCGCCGGACACCGTGAGCCTCTACCAGCGGAC
CCTGGAGCAGAGGGCCAAGAAATCGGGCGCCGGCACCGGCAAACAGCAGCACCCGAGCAAACCCAGCAA
GATGCGGAGGCTGCCTCGGCGGAGCAGAGGAACACACGCTGATCATGCTACAAGAGACTGTGAAAAGGA
AGTTGGAAGGAGCTCGATCACCCTTAATGGAGACCAGCAGAATGGTGCTTGTGATGGGAATTTTCTCC
GACTAGCAAACGAATTCGAAAGGACATTTCTGCGGGATGGAAGCCATCAACAATTTGCCAGTAACATG
CCTACTGCCTTCAGCTTCTCCTTCCACCACTTGACCTGAAACCTTCTTTGCCCTTGAGAACAGTGAA
CTCACACTCCTGGGCTTCTAGAAGATCTAAGTAAGAATGGTAGGCTCCCTGAGATTAACCTCCTGTCAA
CGGTTGCAGTGACCTGGAGGATAGCTTACCATCTTGCAGAGCAAAGACCTCAAACAAGAACCTCTCGAT
GACCTACTTGCATAGACACATCAGAAACATCTTTCAAATCAGAACAAGCTGTTCTCAGACATTAATC
TGAATGATCAGGAGTGGCAAGAATTAATAGATGAATTGGCCAACACGGTTCCTGAGGATGACATACAGGA
CCTGTTCAACGAAGACTTTGAAGAGAAGAAGGAGCCAGAATTCTCGCAGCCAGCAACTGAGACCCCTCTC
TCCCAGGAGAGTGCAGCGTGAAGAGCGACCCCTCTCACTCTCCCTTCGCACATGTCTCCATGGGATCTC
CCCAGGCGAGGCTTCTTCTTCTGGTCTCCCTTTTCTACTGTCTCCACGGCCACTAGTTTACCTTCTGT
TGCCAGCACTCCCGCAGCTCAAACCTGCAAGCTCACCAGCAAAGTGTGCTGTCCAGTCCCCTCAAAC
CAAACCAAGCCACACTCCAGGCAAGCTCCACCTCGGCTGGAATGGTTATCTCCTGAATCCGGCAG
CAGTGACAGTGGCCGGTTCAGCGTCAGGCTGTGGCTGTGCCAGCTCTGACATGTCTCCAGCAGAACA
GCTCAAACAGATGGCTGCACAGCAGCAACAAGGGCCAAACTCATGCAGCAGAAACAGCAACAGCAACAG



[View online >](#)

CAGCAGCAGCAGCAGCAGCAGCAACAGCAGCAGCAGCAGCAGCAACAGCACTCAAATCAGACTTCAAATT
GGTCTCCCTTAGGACCTCCCTCTAGTCCATATGGAGCAGCTTTTACTGCAGAAAAACCAATAGCCCAAT
GATGTACCCCAAGCCTTTAACAAACCAAAACCCTATAGTGCCCAATGGCAAACAACCTGCAGAAGACA
ACAATGAATAACTACCTCCCTCAGAATCACATGAATATGATCAATCAGCAGCCAAATAACTTGGGTACAA
ACTCCTTAAACAAACAGCACAAATATTCTGACTTATGGCAACACTAAACCCCTGACCCACTCAATGCAGA
CCTGAGTCAGAGGATGACACCACCAGTGGCCAACCCCAACAAAAACCCCTTGATGCCGTATATCCAGCAG
CAGCAACAGCAGCAGCAACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCCGCCACCTCCACAGCTCCAGG
CCCCAGGGCACACCTGAGCGAAGACCAGAAACGCCTGCTTCTCATGAAGCAGAAAAGGAGTGATGAATCA
GCCCATGGCTTACGCTGCACTTCCATCCACGGTCAGGAGCAGCATCCAGTTGGACTTCCCCGAACCACA
GGCCCCATGCAGTCTCCGTGCCCCAGGCTCAGGTGGCATGGTCTCAGGAGCCAGTCCCGCAGGCCCCG
GCTTCTGGGCAGCCAGCCCAAGCAGCCATCATGAAGCAGATGCTCATTGATCAGCGGGCCAGTTGAT
AGAGCAGCAGAAGCAACAGTTCTGCGGGAGCAAAGGCAGCAGCAGCAGCAGCAGCAGATTTTGGCG
GAACAGCAGTTGCAGCAATCACATCTACCCGGCAGCACCTCCAGCCACAGCGGAATCCATACCCAGTGC
AGCAGGTCAATCAGTTTCAAGTTCTCCCAGGATATAGCAGCCGTAAGAAGCCAAGCAGCCCTCCAGAG
CATGCGAACGTCACGGCTGATGGCACAGAACGCAGGCATGATGGGAATAGGACCCTCCAGAACCCCTGGG
ACGATGGCCACCCGAGCTGCGCAGTCGGAGATGGGACTGGCCCTTATAGCACCACGCCTACCAGCCAAC
CAGGAATGTACAATATGAGCACAGGCATGACCCAAATGTTGCAGCATCCAAACCAAGTGGCATGAGCAT
CACACATAACCAAGCCCAGGGACCGAGGCAACCTGCCTCTGGGCAGGGGTTGGAATGGTGAAGTGGCTTT
GGTCAGAGCATGCTGGTGAACCTCAGCCATTACCCAGCAACATCCACAGATGAAAGGGCCAGTAGGCCAGG
CCTTGCTAGGCCCAAGCCCCTCAAGGCTGCAGAGCCTTATGGGAACAGTCCAGCAAGGAGCACAAG
CTGGCAACAGAGGAGCTTGCAGGGCATGCCTGGGAGGACTAGTGGAGAATTGGGACCATCAACAATGGC
GCCAGCTACCCCTTTCAAGCTGGGCAGCCGAGACTGACCAAGCAGCACTCCACAGGGACTGAGCCAGT
CAGTCGTGGATGCTAACACGGGCACAGTGAGGACCCTCAACCCAGCTGCCATGGGTCGGCAGATGATGCC
ATCGCTCCCGGGCAGCAAGGCACCAGCCAGGCGAGGCCAATGGTCATGTCTGGCCTGAGCCAGGGAGTC
CCAGGCATGCCAGCGTTCAGCCAGCCCCAGCAGCAGCAGATACCCAGTGGCAGCTTTGCTCCAAGCA
GCCAGAGCCAAGCCTATGAGCGGAATGCCCTCAGGACGTGTCATAACAATTACAGTGGCGACGGAGCTGG
GGGTTCTTCCCTGGCCTCCCGGACGGTGCAGACCTTGTGGACTCCATCATCAAAGGCGGGCCAGGGGAC
GAGTGGATGCAGGAGCTTGATGAATTGTTTGGTAACCCC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218910 representing NM_018717
Red=Cloning site Green=Tags(s)

MGDFAAPAAAANGSSICINSSLNSSLGGAGIGVNNTPNSTPAAPSSNHPAAGCGGSGGPGGGSAAVPKH
 STVVERLRQRIEGCRRHHVNCENRYQQAQVEQLELERRDTVSLYQRTLEQRAKKSAGTGKQHQHPSKPQQ
 DAEAASAEQRNHTLIMLQETVVKRLEGARSPNGDQNGACDGNFSPTSKRIRKDISAGMEAINNLP
 PLPSASPLHQDLKPSLPLQNSGTHTPGLLEDL SKNGRLPEIKLPVNGCSDLEDSFTILQSKDLKQEP
 DPTCIDTSETSLSNQNKLFSDINLNDQEWQELIDELANTVPEDDIQDLFNEDFEEKKEPEFSQPATETPL
 SQESASVKSDPSHSPFAHVSMGSPQARPSSSGPPFSTVSTATSLPSVASTPAAPNPASSPANCAVQSPQT
 PNQAHTPGQAPPRPGNGYLLNPAAVTVAGSASGPVAVPSSDMSPAELKQMAAQQQQRALMQKQKQQQQ
 QQQQQQQQQQQQQQHSNQTSNWSPLGPPSSPYGAAFTAEKPNSPMYPQAFNQNPIVPPMANNLKQT
 TMNNYLPQNHMINQQPNLGTNSLNKQHNILTYGNTKPLTHFNADLSQRMTTPVANPNKNLMPYIQQ
 QQQQQQQQQQQQQQPPPPQLQAPRAHLSAQKRLLLMKQKQVMNQPMAYAALPSHGQEQHPVGLPRTT
 GPMQSSVPPGSGGMVSGASAPGPGFLGSPQAAIMKQMLIDQRAQLIEQQKQQLREQRQQQQQQQILA
 EQQLQQSHLPRQHLQPQRNPYPVQVQVNFQGSQDIAAVRSQAALQSMRTSRLMAQNAGMMGI GPSQNP
 TMATAAAQSEMGLAPYSTTPTSQPGMYNMSTGMTQMLQHPNQSGMSITHNQAQGRQPASGQGVGMVSGF
 GQSM LVNSAITQHPQMKGPVQALPRPQAPPRLQSLMGTVQQAQSWQQRSLQGMGRGTSGLGPFNNG
 ASYPLQAGQPRLTKQHFQGLSQSVVDANTGTVRTLNPAAMGRQMPSLPGQGT SQARPMVMSGLSQGV
 PGMPAFSQPPAQQIPSGSFAPSSQSQA YERNAPQDVSYNYSGDGAGGSFGLPDGADLVDSIIKGGPGD
 EWMQELDELFGNP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8022_e07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018717

ORF Size: 3399 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_018717.3](#), [NP_061187.2](#)

RefSeq Size: 7086 bp

RefSeq ORF: 3417 bp

Locus ID: 55534

UniProt ID: [Q96JK9](#)

Cytogenetics: 4q31.1

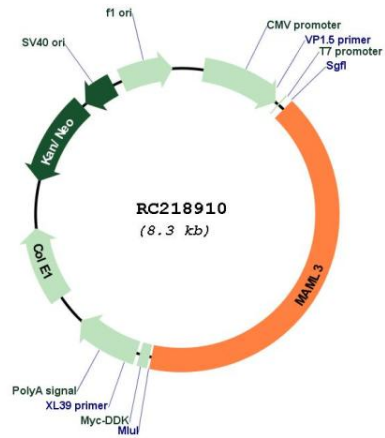
Protein Families: Transcription Factors

Protein Pathways: Notch signaling pathway

MW: 121.5 kDa

Gene Summary: Acts as a transcriptional coactivator for NOTCH proteins. Has been shown to amplify NOTCH-induced transcription of HES1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC218910