

Product datasheet for MC223244

Maml1 (NM_175334) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Maml1 (NM_175334) Mouse Untagged Clone
Tag: Tag Free
Symbol: Maml1
Synonyms: A1644666; AW743257; D930008C07Rik; Mam-1; Mam1; mKIAA0200
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223244 representing NM_175334
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGCTACCCACCTGCCCCATGGCGGAGTTCGCGCTGCCGCGGCACAGCGGGTTCATGGAGCGCCTCC
 GCCGGCGCATCGAACTGTGCCGGGCCACCACAGCACCTGTGAGGCCCGCTACGAGGCTGTGTCTCCCGA
 GCGCCTGGAGCTCGAGCGCCAGCACACCTTTGCCCTGCACCAGCGCTGCATCCAGGCCAAGGCCAAGCGC
 GCCGGCAAGCACCGGCAGCCGCCGGCCGCCACGGCCCGGTTGCCGCTCCGGCCCCCGCTCGGCC
 CGCGGCCCGCGCCTGGACGCAGCGGACGGCCCGGAGCACGGCCCGCCGGTTCGCGCATCTTCATGATAC
 AGTGAAGAGGAGTCTTGACAGTGTCTCCCCTCAGAATGGCGATCAACCAATGGCTACGGAGACTTG
 TTTCTGGGCATAAGAAGACACGCCGGGAGGCCCTCTGGGGTTCAGTGTGTCTGCCAATGGGCTTCCTC
 CTGCCCTCGCCCCGGGCCAGCCGACAAGCCTTCAGGGGAGACACCTGCAGACCGTGGGAAGCACTC
 TCTGGGCTCGATCCCATCAACAAGAAGTGTCTGGCAGACTCAGGCATCCACCTGAATGGAGGCAGCAAC
 TCCAGTGAGCCCTTCTCTAAGCCTGAGTAAAGAACTCAAGCAGGAGCCAGTGGACGACCTGCCGTGCA
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 GTGAAGGAGCTCATCGAGGAGCTCAACAGGTCAAGTCCCGACGAAGACATGAAGGACCTGTTACGGAG
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 GTCTGCAGGCCAGACCTTCTAGGAGCCTCATCTGCCCTGTGGGCACAGATTCTCAAGCCTTGGGAGC
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 CAGCCCAGGCTCAAAGTGCACAAAGAGCCCTCACGAGTGTGGTATTACCTAGCCAGGGCCAGCGGGGC
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 AATCCCCAGCAAGCTGCCCCAGCACCCGGCCAGCCAGCTGGCCACGTGGCAGCAGGCAGGGCCCTCCC
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 CCTAGCCACTCCAACCTGCTGAGTCACCAGTCACCAAGTAACTGAATCAGAACCCCGTGAATAACCAAG



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GGTCTGTGCTAGACTATGGCAATACAAAGCCCCTTTCTCATTACAAAGCAGACTGTGGCCAAGGTGGTCC
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CAGAACTCCTTGTCTGATGAAACAAAGTCAGGAAACATGCCCTTCCGGTCATTGGTTCCACCTGGCC
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CAGCTGCTCCTGGACCAGCAGAAGCAGAGGGAGCAGCAGCAGCAGCAGCTGCAGCAGCAGCAGTTCTGC
AGAGGCAGCACCTCCTGGCTGAGCAGGAGAAACAACAGTTTCAGCGTCATCTGACCCGCCACCCCCCA
GTACCAAGACCCAAACACAAGCACCTTCCACAACAGGTTGGACAGTTTACAGGACCTTCTGCTGCTGTG
CCTGGGATGAACAACTTGGGTCCGTCCAACCTCCAGCTGTCTCGAGTGTTCCCTCAGCCTGGGACTCTGA
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ATAGTTGCCAGCCCCACCACAGGCTACCAGCACACATGCCACATTCCACGGCAGACCAACGTGGGCC
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CCTTCACTGCAGTCCCAGTTTCCACATACAGCAAGCCCACTGAAACTAGCTGGCCAGCAGTTCCTCCA
AGCCATGCCAGCAGGCCATGGCGCCTCTGAGTTCAGCAGGTGAGCAGGGCCATGCTGCCCCAGTG
AGTGACAGCAGAGGAACAGTGGCCCTGCATCTGCACCTCCCAAGCAGCCCCGCAGCAGGGCTTGCTG
GCTTAAGTCTTTCGGGGCCGAGCTGGGGCCCTTCGGCCAGAGCCCCACCTCCAGATGAGCGGGCCGGCC
AGGGCTACACTGTGCGCAGGCTTACCCTGTGAGGACCATGGGCCAAGAGCTGCCCTTTCCTACAGCGGG
CAGCCAGGTAGCAGTGGTCTGTCCAGTGTGGTGGACACACTGACCTGATCGACTCGTCTGAAGAACA
GGACTTCTGAGGAGTGGATCAATGAATTGGATGATCTTTTAGGGTCACAGTAA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_175334

Insert Size:

3063 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_175334.3](#), [NP_780543.2](#)

RefSeq Size:

5573 bp

RefSeq ORF:

3063 bp

Locus ID: 103806

UniProt ID: [Q6T264](#)

Cytogenetics: 11 B1.3

Gene Summary: Acts as a transcriptional coactivator for NOTCH proteins. Has been shown to amplify NOTCH-induced transcription of HES1. Enhances phosphorylation and proteolytic turnover of the NOTCH intracellular domain in the nucleus through interaction with CDK8. Binds to CREBBP/CBP which promotes nucleosome acetylation at NOTCH enhancers and activates transcription. Induces phosphorylation and localization of CREBBP to nuclear foci. Plays a role in hematopoietic development by regulating NOTCH-mediated lymphoid cell fate decisions. [UniProtKB/Swiss-Prot Function]