

Product datasheet for **MR231102**

Mamld1 (NM_001256048) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mamld1 (NM_001256048) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mamld1
Synonyms:	G630014P10Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR231102 representing NM_001256048
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGACTGGAAAAGTCGGCTTGTAAATCGAGAACATGCTTCCCATTTC AACATGGTGGGAAATCGTC
 AGGAGACCAGAAAAGCTCCAGGAATCGGGAACAGTAAGAGAAGACAGGAAGGAGAGAACTTCCACTTCAC
 AGGCATGGCTGATGGGAGCTATCCTAATAAAATCAAGAGACCTTGCCTTGAAGATGTCACCTGTCTATG
 GGCCAGGTGCCACCCTACTTCTCTCTACAGAGATGCAGATGCCACATTAACATGAATCCCCTT
 CTGCAGACCTGGGAGTGGCTGGCCAATCATTACTCCTTGAGAACAACCCTCTGGACAGTAATGTTGTGAA
 TAGCAGTGCTATGGGCTCACCATTGGGGTGCCATCAACTGCAGACACGGGGCTGAAAGGACATGCTGTT
 CCTTACTATGAGAAAAACAACAGTATGCCAGCTGTAGACCAAGAGCTTCAAGATCTGCTGGAGGAACTAA
 CCAAAATTCAAGAACCTTCTTCAAATGATCTTGACCTTGAGAAGATTCTGGGAGCAAGCCAGAAGAACC
 TCTGGTTTTACATAACCCCCAGGCCCTCTTGGTCCCCCTGCCAAGCTTCCAGTTCAGATGCCACATATG
 GAAAGCCTTGGATCCAGCAAGGAGTTTGATCTAGCTGCAGTCAAGTTGCTGGCAGATCACTACCCATCA
 TGCCCTCCTCCACAGGGATGAGCTACTCATTCCCTTCCAGCAGTAAGCAGATAGTCTCATCCAGTCTTTC
 AACAGCACAGGCTCAGGTCAAAAACCAGGTCCAGAACATGCTCCCTGTCCTACTATGCCTCCATTATCTGTG
 CCTCAGTGGCATCATGCCACCAGCTGAAAGCACTGGCAGCCAGCAAGCAGGGATCTGCTACAAAACAAG
 GTTCCAACCGCAATTGGTCCAGTTTGCCTCCTCCGGGTCTTTCTCCACCTTACCTTCCAGTGCCATCTCC
 TCACCCACCACCACACAACCACCACCACCATTTCAGCCACAGAACTTCACAGCATCCTGCATGTCA
 TCAGTAGCTTATCTGGCAGTGTGTGCAAAGCTCGCCAATGCCTTACTTTCCAGCATGGCCCCCAGCA
 GCAATGCTTCCCTTGGGCCACCTTGCCTATGTTCCAGCAAAGCTCCCGGGCTTGCCTCAATCAGCA
 ACCACAATTTCAGCCCCCAGAGCTCCATTCTTGCCAATCTGGTGTCTCTAGTGTCAAAGCCCTCAAGGA
 CACCTGATATCTGCTCTGCCTACCAGCACCCAGGGCCATCCCCACCATACCGCCCTGAGAACTCTCTCCA
 GCCCGGCTTGGCACAGCAGTCTTCACTCCACAATACTCTCTGATCAGGAGCCTCACTCCACCAGCAA
 TCTGCTAAGCCAGCAGCAGCAACAACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAA
 CAGCAGCAGCAGCATCAGGCAAATTCATCTTTAAGCCTATGACCAGCAGCCAGCAACCTAAAACCTTGA
 GCATGATCATGCAGCAGGGCCTATCAAGTTCCAGTCCAGAAGCACCTGAGCCCTTACCTTCAGCAACAC
 CAAGCCCTTGTCACATTTTGTCTGAGCCAAGCCCCAGAAGATGGCCTCCATGTCTACCCACTCCAGG
 CAGTCATCTTTGCTCCACTACCTGCCTCAGGCAACACCAGCACATGCTCCTTCTGCCACTGCCTCCTCCA
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 GCAGCATCATCAACAACAGCATCATCAACAGCATCATCAACAGCAGCAGCATCAACAGCAGCAGCAT
 CAACAACAACAGCAGCAGCAACCTGATCAGTCTTCACTTCTGTCAGCAGATAATGCAGCAACCCAGC
 GCTTTCAGCGCATGATGGCTTCTGATTCTATGCCTGCTCTGCCTGGACAGACTCATGTAGACAAAGCCTG
 CAAGCTTGGGGAAGCCAGGCCTCCCCATGTGAGCCTGGGGCGACAGCCCCATCCCGCCAGGCCCTGGGG
 AGTGAGTCTTCTGCCCGCAGCTCCTTGTCTATGAGCTGGCCGAGTCACATCCACCTCCTCGTACA
 ACACCTCAGAGGCAGCCCCCTGGGGCGGCTGGGATCCGAAGCCCTGGAGGCAGGTGCCTGCTCCACTACT
 GCCTAGCTGCGATGCTGCAGCCAGAGAAGCAGAGATCAGGTCTATGGCAATGACCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231102 representing NM_001256048
 Red=Cloning site Green=Tags(s)

MDDWKSRLVIENMLPHFNMVGNRQETRKLQESGTSKRRQEGENFHFTGMADGSYPNKIKRPLEDVTLSM
 GPGAHPTSLSTEMQMPTLNMNPTSADLGVAGQSLLENNPLDSNVVNSSAMGSPFGVPTADTGLKGHAV
 PYYEKNNSMPAVDQELQDLLEELTKIQEPSSNDLDLEKILGSKPEEPLVLHNPQAPLGPPAKLPVQMPHM
 ESLGSSKEFASSCSQVAGTSLPI MPSSTGMSYSIPSSSKQIVSSSSSTAQAQVKNQVQNMLPVTMPPLSV
 PQWHHAHQKALAASKQGSATKQGSNRNWSLPPPGLSPPYLPVPSPHPPPPPPPPFSPQNFATSCMS
 SSSLGSAVQSSPNALLSSMAPSSNASLGPPLPYVPAKLPGLPLNQPPQFSPQSSILANLVSSSVKSPQG
 HLISALPTSTPGSPPYRPENLSSPGLPQQSFTPQYSLIRSLTPTSNLLSQQQQQQQQQQQQQQQQQQ
 QQQQHQANSIFKPM TSSQQPKT L SMIMQQLSSSSPEAPEPFTFSNTKPLSHFVSEPSQKMASMSTHSR
 QSSLLHYLPQATPAHAPSATASSTATATLQLQHQQHQQHQQHQQHQQHQQHQQHQQHQQHQQHQQH
 QQQQQQPDQSSFLQIMQQPQRFQRMASDSMPALPGQTHVDKACKLGEARPPHVSLGRQPPSRQALG
 SESFLPGSSFAHELARVTSTSSYNTSEAAPWGGWDPKAWRQVPAPLLPSCDAAAAREAEIRSYGNDP

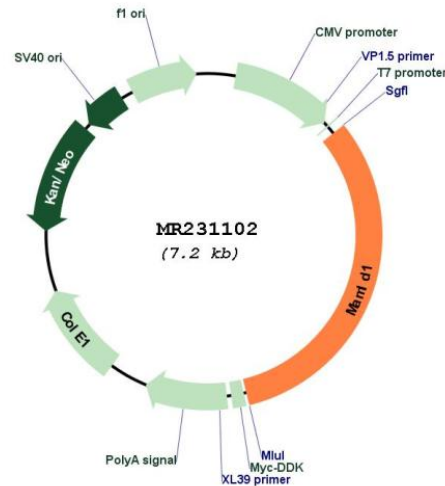
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001256048

ORF Size: 2298 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_001256048.1](#), [NP_001242977.1](#)

RefSeq Size: 3346 bp

RefSeq ORF: 2301 bp

Locus ID: 333639

Cytogenetics: X A7.3

MW: 83.8 kDa

Gene Summary: Transactivates the HES3 promoter independently of NOTCH proteins. HES3 is a non-canonical NOTCH target gene which lacks binding sites for RBPJ (By similarity). Required for testosterone production.[UniProtKB/Swiss-Prot Function]