

Product datasheet for **MC228891**

Mamld1 (NM_001256048) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC228891 representing NM_001256048
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATGACTGGAAAAGTCGGCTTGTAAATCGAGAACATGCTTCCCATTTC AACATGGTGGGAAATCGTC
 AGGAGACCAGAAAAGCTCCAGGAATCGGGAACAGTAAGAGAAGACAGGAAGGAGAGAACCTCCACTTCAC
 AGGCATGGCTGATGGGAGCTATCCTAATAAAATCAAGAGACCTTGCCCTTGAAGATGTCACCTGTCTATG
 GGCCAGGTGCCACCCTACTTCTCTCTACAGAGATGCAGATGCCACATTAACATGAATCCCCTT
 CTGCAGACCTGGGAGTGGCTGGCCAATCATTACTCCTTGAGAACAACCCTCTGGACAGTAATGTTGTGAA
 TAGCAGTGCTATGGGCTCACCATTGGGGTGCCATCAACTGCAGACACGGGGCTGAAAGGACATGCTGTT
 CCTTACTATGAGAAAAACAACAGTATGCCAGCTGTAGACCAAGAGCTTCAAGATCTGCTGGAGGAACTAA
 CCAAAATCAAGAACCTTCTTCAAATGATCTTGACCTTGAGAAGATTCTGGGGAGCAAGCCAGAAGAACC
 TCTGGTTTTACATAACCCCCAGGCCCTCTTGGTCCCCCTGCCAAGCTTCCAGTTCAGATGCCACATATG
 GAAAGCCTTGGATCCAGCAAGGAGTTTGCATCTAGCTGCAGTCAAGTTGCTGGCAGATCACTACCCATCA
 TGCCCTCCTCCACAGGGATGAGCTACTCCATTCCTTCCAGCAGTAAGCAGATAGTCTCATCCAGTCTTTC
 AACAGCACAGGCTCAGGTCAAAAACCAGGTCCAGAACATGCTCCCTGTCCTACTATGCCTCCATTATCTGTG
 CCTCAGTGGCATCATGCCACCAGCTGAAAGCACTGGCAGCCAGCAAGCAGGGATCTGCTACAAAACAAG
 GTTCCAACCGCAATTGGTCCAGTTTGCCTCCTCCGGGTCTTTCTCCACCTTACCTTCCAGTGCCATCTCC
 TCACCCACCACCACACAACCACCACCACCATTTCAGCCACAGAACTTCACAGCATCCTGCATGTCA
 TCCAGTAGCTTACTGGCAGTGTGTGCAAAGCTCGCCCAATGCCTTACTTTCCAGCATGGCCCCCAGCA
 GCAATGCTTCCCTTGGGCCACCTTGCCTATGTTCCAGCAAAGCTCCCGGGCTTGCCCTCAATCAGCA
 ACCACAATTTCAGCCCCCAGAGCTCCATTCTTGCCAATCTGGTGTCTCTAGTGTCAAAAAGCCTCAAGGA
 CACCTGATATCTGCTCTGCCTACCAGCACCCAGGGCCATCCCCACCATACCGCCCTGAGAACTCTCTCCA
 GCCCGGCTTGCCACAGCAGTCTTCACTCCACAATACTCTCTGATCAGGAGCCTCACTCCACCAGCAA
 TCTGCTAAGCCAGCAGCAGCAACAACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAA
 CAGCAGCAGCAGCATCAGGCAAATTCATCTTTAAGCCTATGACCAGCAGCCAGCAACCTAAAACCTTGA
 GCATGATCATGCAGCAGGCCTATCAAGTTCAGTCCAGAAGCACCTGAGCCCTTACCTTCCAGCAACAC
 CAAGCCCTTGTACATTTTGTCTGAGCCAAGCCCCCAGAAGATGGCCTCCATGTCTACCCACTCCAGG
 CAGTCATCTTTGCTCCACTACCTGCCTCAGGCAACACCAGCACATGCTCCTTCTGCCACTGCCTCCTCCA
 CTGCCACTGCCACTTTGCAACTCCAGCATCATCAACAGCATCATCAACAGCATCATCAACAGCATCATCAACA
 GCAGCATCATCAACAACAGCATCATCAACAGCATCATCAACAGCAGCAGCATCAACAGCAGCAGCAT
 CAACAACAACAGCAGCAGCAACCTGATCAGTCTTCACTTCTGTCAGCAGATAATGCAGCAACCCAGC
 GCTTTCAGCGCATGATGGCTTCTGATTCTATGCCTGCTCTGCCTGGACAGACTCATGTAGACAAAGCCTG
 CAAGCTTGGGGAAGCCAGGCCTCCCCATGTGAGCCTGGGGCGACAGCCCCCATCCCGCCAGGCCCTGGGG
 AGTGAGTCTTCTGCCCGCAGCTCCTTGTCTATGAGCTGGCCGAGTCACATCCACCTCCTCGTACA
 ACACCTCAGAGGCAGCCCCCTGGGGCGGCTGGGATCCGAAGCCCTGGAGGCAGGTGCCTCCACTACT
 GCCTAGCTGCGATGCTGCAGCCAGAGAAGCAGAGATCAGTCTCTATGGCAATGACCCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001256048
Insert Size: 2301 bp

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| 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). |
| OTI Annotation: | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| 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: | <ol style="list-style-type: none"> 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: | <u>NM_001256048.1</u> , <u>NP_001242977.1</u> |
| RefSeq Size: | 3346 bp |
| RefSeq ORF: | 2301 bp |
| Locus ID: | 333639 |
| Cytogenetics: | X A7.3 |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon, compared to variant 1. The resulting protein (isoform 2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |