

Product datasheet for **MC221472**

Mamld1 (NM_001081354) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mamld1 (NM_001081354) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mamld1
Synonyms:	G630014P10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221472 representing NM_001081354
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATGACTGGAAAAGTCGGCTTGTAAATCGAGAACATGCTTCCCATTTC AACATGGTGGGAAATCGTC
 AGGAGACCAGAAAAGCTCCAGGAATCGGGAACAGTAAGAGAAGACAGGAAGGAGAGAACCTCCACTTCAC
 AGGCATGGCTGATGGGAGCTATCCTAATAAAATCAAGAGACCTTGCCTTGAAGATGTCACCTGTCTATG
 GGCCAGGTGCCACCCTACTTCTCTCTACAGAGATGCAGATGCCACATTAACATGAATCCCCTT
 CTGCAGACCTGGGAGTGGCTGGCCAATCATTACTCCTTGAGAACAACCCTCTGGACAGTAATGTTGTGAA
 TAGCAGTGCTATGGGCTCACCATTGGGGTGCCATCAACTGCAGACACGGGGCTGAAAGGACATGCTGTT
 CCTTACTATGAGAAAAACAACAGTATGCCAGCTGTAGACCAAGAGCTTCAAGATCTGCTGGAGGAACTAA
 CCAAAATCAAGAACCTTCTTCAAATGATCTTGACCTTGAGAAGATTCTGGGAGCAAGCCAGAAGAACC
 TCTGGTTTTACATAACCCCCAGGCCCTCTTGGTCCCCCTGCCAAGCTTCCAGTTCAGATGCCACATATG
 GAAAGCCTTGGATCCAGCAAGGAGTTTGATCTAGCTGCAGTCAAGTTGCTGGCAGATCACTACCCATCA
 TGCCCTCCTCCACAGGGATGAGCTACTCCATTCCTTCCAGCAGTAAGCAGATAGTCTCATCCAGTCTTTC
 AACAGCACAGGCTCAGGTCAAAAACAGGTCCAGAACATGCTCCCTGTCCTACTATGCCTCCATTATCTGTG
 CCTCAGTGGCATCATGCCACCAGCTGAAAGCACTGGCAGCCAGCAAGCAGGGATCTGCTACAAAACAAG
 GTTCCAACCGCAATTGGTCCAGTTTGCCTCCTCCGGGTCTTTCTCCACCTTACCTTCCAGTGCCTATCTCC
 TCACCCACCACCACACAACCACCACCACCATTACAGCCACAGAACTTACAGCATCCTGCATGTCA
 TCCAGTAGCTTATCTGGCAGTGTGTGCAAAGCTCGCCAATGCCTTACTTTCCAGCATGGCCCCAGCA
 GCAATGCTTCCCTTGGGCCACCTTGCCTATGTTCCAGCAAAGCTCCCGGGCTTGCCTCAATCAAGCA
 ACCACAATTACAGCCCCAGAGCTCCATTCTTGCCAATCTGGTGTCTCTAGTGTCAAAGCCCTCAAGGA
 CACCTGATATCTGCTCTGCCTACCAGCACCCAGGGCCATCCCCACCATACCGCCCTGAGAATCTCTCCA
 GCCCGGCTTGGCACAGCAGTCTTCACTCCACAATACTCTCTGATCAGGAGCCTCACTCCACCAGCAA
 TCTGCTAAGCCAGCAGCAGCAACAACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAA
 CAGCAGCAGCAGCATCAGGCAAATTCATCTTTAAGCCTATGACCAGCAGCCAGCAACCTAAAACCTTGA
 GCATGATCATGCAGCAGGGCCTATCAAGTTCAGTCCAGAAGCACCTGAGCCCTTACCTTCCAGCAACAC
 CAAGCCCTTGTACATTTTGTCTGAGCAAGCCCCAGAAGATGGCCTCCATGTCTACCCACTCCAGG
 CAGTCATCTTTGCTCCACTACCTGCCTCAGGCAACACCAGCACATGCTCCTTCTGCCACTGCCTCCTCCA
 CTGCCACTGCCACTTTGCAACTCCAGCATCATCAACAGCATCATCAACAGCATCATCAACA
 GCAGCATCATCAACAACAGCATCATCAACAGCATCATCAACAGCAGCAGCATCAACAGCAGCAGCAT
 CAACAACAACAGCAGCAGCAACCTGATCAGTCTTCACTTCTTCTGCAGCAGATAATGCAGCAACCCAGC
 GCTTTCAGCGCATGATGGCTTCTGATTCTATGCCTGCTCTGCCTGGACAGGGCTGTTGCCATCGTGTGC
 GTGGACTTCTACGGCTCTCTGGCTGGAGACCAGCATCAGCAGTGGAACTCTCTCACTAGCACTCATGGA
 CATGTGCCACCATTAACCTTACTCATGTAGACAAAGCCTGCAAGCTTGGGAAGCCAGGCCTCCCCATG
 TCAGCCTGGGGCAGCAGCCCCATCCCGCAGGCCCTGGGGAGTGAGTCTTCTGCCGGCAGCTCCTT
 TGCTCATGAGCTGGCCGAGTCACATCCACCTCCTCGTACAACACCTCAGAGGCAGCCCCCTGGGGCGGC
 TGGGATCCGAAGGCCTGGAGGCAGGTGCCTGCTCCACTACTGCCTAGCTGCGATGCTGCAGCCAGAGAAG
 CAGAGATCAGGTCTATGGCAATGACCCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001081354
Insert Size: 2412 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:	<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_001081354.2</u> , <u>NP_001074823.2</u>
RefSeq Size:	3457 bp
RefSeq ORF:	2412 bp
Locus ID:	333639
UniProt ID:	<u>P0C6A2</u>
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 (1) represents the longer transcript and encodes the longer 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>