

Product datasheet for **SC108540**

Chromosome X open reading frame 6 (MAMLD1) (NM_005491) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chromosome X open reading frame 6 (MAMLD1) (NM_005491) Human Untagged Clone
Tag:	Tag Free
Symbol:	Chromosome X open reading frame 6
Synonyms:	CG1; CXorf6; F18; HYSP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_005491 edited
 ATGGATGACTGGAAAAGTCGGCTTGAATCAAGAGCATGCTTCCCCATTTGCGCCATGGTG
 GGAAATCGTCAGGAGCCAGAAAGCTCCAGGAATCGGGAAAGAAGCCCTCGTGGATGGAG
 GAAGAAGATTTATCTTTTCTCTACAAGAGCAGCCAGGAAGAAGCATCAGGGAAGTGT
 AAGAGGAGACAAGAAGAAGACCCTTCCAGTTCCAGACATGGCTGATGGGGGCTACCCT
 AATAAAATTAAGAGGCCCTTGCCTTGAAGATGTCACCTTGAATGGGCCAGGTGCTCAT
 CCTAGTACTGCTTGTGCAGAACTGCAGGTCCTCCATTGACAATAAATCCTAGCCCTGCG
 GCTATGGGAGTGGCTGGCCAGTCATTACTGCTGGAGAATAACCCTATGAATGGCAACATC
 ATGGGCTCACCATTTGTAGTACCACAGACTACAGAAGTGGGACTGAAAGGGCCCACTGTT
 CCTTACTATGAGAAAATCAACAGCGTGCAGGCTGTAGACCAGGAGCTTCAAGAGCTGCTA
 GAGGAGCTCACAAAATCAAGACCCTTCTCAAATGAGCTAGATCTTGAGAAGATACTG
 GGGACGAAGCCAGAAGAGCCACTGGTTTTAGATCATCCCCAGGCAACCCTAAGCACAACT
 CCCAAGCCTTCGGTTTCAAGTGTCAACTTGGAGAGCCTGGCTTCCAGCAAGGAGTTTGT
 TCTAGTTGACGCAAGTTACTGGCATGTCACCTTCCAGTCCATCCTCCTCCACAGGGATC
 AGCTATTCGATTCCTTCCACCAGTAAGCAGATAGTGTACCGAGTTCTTCAATGGCAGAG
 TCCAAGAGCCAGTCCAGGCCATGCTCCCTGTCGCTCTGCCCCCTTACCAGTGCCTCAG
 TGGCATCACGCCACCAGCTGAAGGCGTTGGCAGCCAGCAAGCAGGGGTCTGCTACAAAAG
 CAGCAAGGGCCCAACCCAGTTGGTCTGGTCTGCCTCCTCCAGGACTCTCTCCACCTTAC
 CGCCAGTGCCATCACACACCCACCACCGCTGCCACTGCCACCACCACCACCCCATTC
 AGCCCCAGAGCCTCATGGTGTCTGCATGTCTCAATACCTTGTGGGTAGCACTCTC
 CGAGGCTCTCCAATGCCTTACTGTCAAGCATGACGTCCAGCAGCAATGCTGCCCTGGGG
 CCCGCCATGCCCTATGCTCCTGAGAAGCTCCCCAGCCCTGCTCTCACTCAACAGCCGAG
 TTCGGCCCTCAGAGCTCCATTCTTGCACCTCATGCTCTTACCATCAAAACCCCTCAA
 GGACACCTGATGTCTGCTTGCCTGCCAGCAACCCTGGGCGTCCCCACCTATCGCCCA
 GAGAAGCTCTTAGCCAGGCTTGCACAGCAGTCTTACCCCAAGTGTTCCTGATC
 CGAAGCCTCACTCCACCAGTAATCTTCTAAGCCAGCAACAGCAGCAGCAGCAGCAGCAG
 CAGCAAGCAAATGTGATCTTAAAGCCATAAGCAGCAACTCATCAAAACCCCTGAGCATG
 ATCATGCAGCAGGGGATGGCAAGCTCCAGCCAGGAGCCACGGAGCCATTTACTTTTGGC
 AACACCAAGCCCTTGTCCATTTTGTCTGAGCCGGTCCCCAGAAGATGCCCTCCATG
 CCTACCACCTTAGGCAGCCTTCCCTGCTCCACTACCTGCAGCAGCCGACCAACGAGCAG
 GCCTCCTCAGCCACTGCCTCCTCCACGGCCACTGCCACCTTGCAGCTGCAGCAGCAGCAG
 CAGCAACAGCAGCAGCAGCCTGACCATTCTTATTCTTCTGCAGCAGATGATGCAGCAA
 CCCAGCGTTTTAGCGATCAGTGGCCTCAGATCCATGCCTGCTTGCCTCAGCAGGGC
 TGTGGCATCTGTTTGCATGGACTTCTGCAGCTAGCTCGGTGAAGCCCCAGCATCAACAC
 GGGAACTTTTCACTAGCAGGCAAGATCCTCAGCCTGGAGACGTGTACCCGTCTAACATT
 ACTCATGTAGACAAAGCCTGCAAGCTTGGGGAAGCCAGGCACCCCAAGTTCAGCCTCGGG
 CGACAGCCCCCTCCTGCCAGGCCCTGGGGAGTGAGTCTTCTGCCCCGAGCTCCTTT
 GCTCATGAGCTGGCCCGAGTACCTCCTGTACAGCACCTCAGAGGCAGCGCCCTGGGGC
 AGCTGGGATCCGAAGCCCTGGAGGCAGGTGCCCGCTCCACTACTGCCTAGCTGCGACGCC
 ACAGCAAGAGGAACAGAGATCAGGTCTTATGGCAATGACCCCTGA

Restriction Sites: Please inquire

ACCN: NM_005491

Insert Size: 4700 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).

OTI Annotation:	This clone has been fully sequenced and found three SNPs within the protein associated with this reference, NM_005491.1:At position 2422, a C to G change results in no amino acid change.At position 2354, a A to C change results a H to N change.At position 2343, a A to C change results in no amino acid change.
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:	NM_005491.1 , NP_005482.1
RefSeq Size:	4599 bp
RefSeq ORF:	2106 bp
Locus ID:	10046
UniProt ID:	Q13495
Cytogenetics:	Xq28
Gene Summary:	<p>This gene encodes a mastermind-like domain containing protein. This protein may function as a transcriptional co-activator. Mutations in this gene are the cause of X-linked hypospadias type 2. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010]</p> <p>Transcript Variant: This variant (2) has a shorter 5' UTR and has multiple differences in the coding region, compared to variant 1, one of which results in a translational frameshift. The resulting protein (isoform 2) has a distinct C-terminus and is shorter than isoform 1.</p>