

Product datasheet for **SC324097**

L3MBTL1 (NM_015478) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L3MBTL1 (NM_015478) Human Untagged Clone
Tag:	Tag Free
Symbol:	L3MBTL1
Synonyms:	dj138B7.3; H-L(3)MBT; L3MBTL; ZC2HC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_015478.5
 GGCCTGCTGAGGGCGTGAGCTGGCATGAGGCGAAGAGAGGGCCATGGCACCGACTCCGAG
 ATGGGTCAAGGACCCGTACGGGAGTCGCAATCCTCAGACCCTCCCGCGCTCCAGTTCCGG
 ATAAGCGAGTATAAGCCGCTGAACATGGCGGGAGTGGAGCAGCCCCGACCCCCGAGCTG
 CGGCAGGAAGGCGTGACCGAATACGAAGATGGCGGGCCCCGGCGGGAGATGGCGAGGCG
 GGCCCCAACAGGCGGAGGACCACCCCAAGAATCCTCCAGAAGATCCCAATCAGGACCCC
 CCAGAGGATGATAGCAGCTGTCAAGTGGCAGGCGTGGGGCCTCACCAAGCCGCGGTCCA
 GATCTTGGTTCCCTAATGATGGCTGCCCTCAGCTGTTCCAGGAGCGGTGATCAGTATAGT
 GAGAACTCCTCAGGCTCTACCAGCGCTTCTGAGCTCCTCAAACCCATGAAGAAGAGGAAG
 CGCAGGGAATACCAGAGCCCATCAGAGGAGGAGTGGAGCCAGAGGCCATGGAGAAGCAA
 GAAGAAGGAAAGGACCCAGAGGGACAACCCACTGCTAGCACCCAGAGAGTGAGGAGTGG
 AGCAGCAGCCAGCCTGCAACAGGTGAGAAGAAGGAATGCTGGTCGTGGGAGTCTACCTA
 GAGGAGCAGAAGGCCATTACTGCTCCAGTCAGCCTCTCCAGGACTCCCAGGCAGTCACT
 CACAACAAGAATGGCTTCAAACCTGGGCATGAAGTTGGAAGGCATTGACCCCAACACCCG
 TCCATGTACTTTCCTCACCCTGGCTGAGGTATGTGGCTATCGCCTACGCTGCACTTT
 GATGGGTATTCTGAGTGCCATGACTTCTGGGTCAATGCCAACTCCCTGACATTCACCCCT
 GCTGGCTGGTTCGAGAAGACGGGCCACAAGCTGCAGCCTCCCAAAGTTACAAGGAGGAG
 GAGTTCAGCTGGAGCCAGTACCTGCGCAGCACAAGAGCTCAGGCTGCCCCCAAGCACCTG
 TTTGTGAGCCAGAGCCACAGTCCCCACCCCTGGGCTTCCAGGTGGGCATGAAGCTGGAG
 GCTGTTGACCGCATGAACCCGTCCTTGTCTGCGTGGCCAGTGTGACCGATGTGGTGGAC
 AGCCGCTTCTGGTGCACCTTGAACAAGTGGGATGATACTTATGACTACTGGTGTGATCCC
 AGCAGCCCTACATCCACCCAGTGGGCTGGTCCAGAAGCAAGGAAAGCCCTCACCCCT
 CCACAAGACTACCCAGACCCCTGATAACTTCTGTTGGGAGAAATATCTGGAAGAACTGGG
 GCCTCTGCTGTCCACCTGGGCTTCAAGGTGCGACCCCTCACAGCTTCTGGTCAAT
 ATGAAGCTGGAGGCTGTGGACCGCAGGAACCCAGCCCTGATTCGCGTGGCCAGCGTGGAG
 GATGTGGAGGACCATCGGATAAAGATCCACTTTGATGGCTGGAGTCATGGCTATGATTTT
 TGGATCGACGCTGACCACCCAGACATCCACCCTGCCGGCTGGTGTCCAAGACAGGACAT
 CCCCTGCAGCCTCTCTCGGACCCAGAGAGCCAGCTCTGCCCTCCCTGGGGGCTGTCCC
 CCTCTCAGCTATAGGAGCCTGCCCCACACTAGGACCTCCAAATACAGCTTTCACCACCGG
 AAGTGCCCACTCCTGGTTGCGACGGCTCTGGCCATGTACAGGCAAGTTCACAGCTCAC
 CATTGCCTCTCAGGCTGCCCACTGGCTGAGAGGAACCAGAGCCGGCTGAAAGCGGAGCTG
 TCTGACTCGGAGGCTCAGCCCGCAAGAAGAACCTCTCAGGCTTCTCCCAAGGAAGAAG
 CCTCGCCATCACGGCCGAATTGGACGCCCTCCGAAGTATCGAAAGATTCCGCAGGAAGAT
 TTCCAGACCCCTCAGCCCGATGTCGTGCACCAAGTCCCTCTTATGTCAGCCCTGTCCGGC
 CACCCTGACCGCTCACTCTCAGTGTGCTGGGAGCAGCACTGCAAGCTCCTGCCAGGAGTA
 GCGGGCATCTCAGCCTCGACAGTCGCAAGTGGACCATCGATGAGGTCTTCGGCTTTGTT
 CAGACCCCTGACAGGTTGTGAGGACCAAGCACGCCTCTTCAAAGACGAGGCAAGAATAGTC
 AGAGTGACCCATGTATCTGGGAAGACTCTAGTCTGGACTGTGGCCAGCTTGGGGACCTT
 GTGTGCTCAGATCATCTTCAGGAAGGAAAAGGCATCCTGGAGACAGGAGTCCATTCACCT
 CTCTGCTCTACCCACTCATTTGCTTGCCAACTTAGCTTTGCCAGTGATAGTCAATAT
 TAAAGTGTACTTTTTCCCTTTAATCCAATATAGTTGATAATTAAGTGTATTTTGAAT
 GACAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_015478

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_015478.5 , NP_056293.4
RefSeq Size:	3228 bp
RefSeq ORF:	2319 bp
Locus ID:	26013
UniProt ID:	Q9Y468
Cytogenetics:	20q13.12
Domains:	zf-C2HC, MBT
Protein Families:	Transcription Factors
Gene Summary:	<p>This gene represents a polycomb group gene. The encoded protein functions to regulate gene activity, likely via chromatin modification. The encoded protein may also be necessary for mitosis. Alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq, Sep 2010]</p> <p>Transcript Variant: This variant (I) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant II. The encoded isoform (I) is shorter than isoform II.</p>