

## Product datasheet for **SC111224**

### **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:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_015478, the custom clone sequence may differ by one or more nucleotides

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ATGAGGCGAAGAGAGGGCCATGGCACCGACTCCGAGATGGGTCAAGGACCCGTACGGGAGTCGCAATCCT
CAGACCCCTCCCGCTCCAGTTCGGATAAGCGAGTATAAGCCGCTGAACATGGCGGGAGTGGAGCAGCC
CCCGAGCCCCGAGCTGCCGAGGAAGCGTGACCGAATACGAAGATGGCGGGGCCCGGGGGAGATGGC
GAGGCGGGCCCCAACAGGCGGAGGACCACCCCAAGATCCTCCAGAAGATCCCAATCAGGACCCCCAG
AGGATGATAGCACCTGTCACTGCCAGGCGTGCGGGCCTACCAAGCCGCGGGTCCAGATCTTGTTCTCT
TAATGATGGCTGCCCTCAGTGTTCAGGAGCGGTCACTCATAGTGGAGAATCCTCAGGCTCTACCAGC
GCTTCTGAGTCTCAAACCCATGAAGAAGAGGAAGCGCAGGGAATACCAGAGCCATCAGAGGAGGAGT
CGGAGCCAGAGGCCATGGAGAAGCAAGAAGAAGGAAAGGACCCAGAGGGACAACCCACTGCTAGCACCCC
AGAGAGTGAGGAGTGGAGCAGCAGCCAGCCTGCAACAGGTGAGAAGAAGGAATGCTGGTCGTGGGAGTCC
TACCTAGAGGAGCAGAAGGCCATTACTGCTCCAGTCAGCCTCTCCAGGACTCCCAGGCAGTCACTCACA
ACAAGAATGGCTTCAAACCTGGGCATGAAGTTGGAAGGCATTGACCCTCAACACCCGTCATGTACTTCAT
CCTCACCGTGGCTGAGGTATGTGGCTATCGCCTACGCCTGCACTTTGATGGGTATTCTGAGTGCCATGAC
TTCTGGGTCAATGCCAACTCCCCTGACATTACCCCTGCTGGCTGGTTCGAGAAGACGGGCCACAAGCTGC
AGCCTCCCAAAGGTTACAAGGAGGAGGAGTTCAGCTGGAGCCAGTACCTGCGCAGCACAAGAGCTCAGGC
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CTGGAGGCTGTTGACCGCATGAACCCGTCCTTGTCTGCGTGGCCAGTGTGACCGATGTGGTGGACAGCC
GCTTCTGGTGCCTTTGACAACCTGGGATGATACTTATGACTACTGGTGTGATCCAGCAGCCCCACAT
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GACCCCCCTCACAGCTTCCCTGGTCAATATGAAGCTGGAGGCTGTGGACCGCAGGAACCCAGCCTGATTCC
CGTGGCCAGCGTGGAGGATGTGGAGGACCATCGGATAAAGATCCACTTTGATGGCTGGAGTCATGGCTAT
GATTTCTGGATCGACGCTGACCACCCAGACATCCACCCTGCCGGCTGGTCTCCAAGACAGGACATCCCC
TGCAGCCTCCTCTCGGACCCAGAGAGCCAGCTCTGCCTCCCCTGGGGCTGTCCCCCTCTCAGCTATAG
GAGCCTGCCCCACACTAGGACCTCAAATACAGCTTTCACCACCGGAAGTGGCCCACTCCTGGTTGCGAC
GGCTCTGGCCATGTCACAGGCAAGTTCACAGCTCACCATTGCCTCTCAGGCTGCCCACTGGCTGAGAGGA
ACCAGAGCCGGCTGAAAGCGGAGCTGTCTGACTCGGAGGCTCAGCCCGAAGAAGAACCTCTCAGGCTT
CTCCCAAGGAAGAAGCCTCGCCATCACGGCCGAATTGGACGCCCTCCGAAGTATCGAAAGATCCGCAG
GAAGATTTCCAGACCCTCACGCCGATGTGCTGCACAGTCCCTTTCATGTAGCCCTGTGGGCCACC
CTGACCGCTCACTCTCAGTGTGCTGGGAGCAGCACTGCAAGCTCCTGCCAGGAGTAGCGGCATCTCAGC
CTCGACAGTCGCCAAGTGGACCATCGATGAGGTCTTCGGCTTTGTTTCCAGACCCTGACAGGTTGTGAGGAC
CAAGCACGCCCTTCAAAGACGAGGCAAGAATAGTCAGAGTGACCCATGTATCTGGGAAGACTCTAGTCT
GGACTGTGGCCAGCTTGGGGACCTTGTGTGCTCAGATCATCTTCAGGAAGGAAAGGCATCCTGGAGAC
AGGAGTCCATTCCTCTGCTCTCTACCCACTATTGCTTGCCAACTTAGCTTTGCCAGTGATAGT
CAATATTA
    
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_015478 unedited</p> <pre> AGCATTATGTAATACGACTCACTATAGGGCGGCNCGCAATCGGCACGAGGGCTTGGAGT GAGGCCCCCTGGCGTGGAGTCTTGAGGCCTGCTGAGGGCGTGAGCTGGCATGAGGCGAAG AGAGGGCCATGGCACCAGCTCCGAGATGGGTCAAGGACCCGTACGGGAGTCGCAATCCTC AGACCCTCCCGCCTCCAGTTCGGATAAGCGAGTATAAGCCGCTGAACATGGCGGGAGT GGAGCAGCCCCGAGCCCCGAGCTGCGGCAGGAAGGCGTGACCGAATACGAAGATGGCGG GGCCCCGGCGGGAGATGGCGAGGCGGGCCCCAACAGGCGGAGGACCACCCCGAATCC TCCAGAAGATCCCAATCAGGACCCCCAGAGGATGATAGCACCTGTCAGTGCCAGGCGTG CGGCCTCACCAAGCCGCGGGTCCAGATCTTGGTTCCTCTAATGATGGCTGCCCTCAGCT GTTCCAGGAGCGGTCACTCATAGTGAGAACTCCTCAGGCTCTACCAGCGCTTCTGAGCT CCTCAAACCCATGAAGAAGAGGAAGCGCAGGGAATACCAGAGCCCATCAGAGGAGGAGTC GGAGCCAGAGGCCATGGAGAAGCAAGAAGAAGGAAAGGACCCAGAGGGACAACCCACTGC TAGCCCCAGAGAGTGAGGAGTGGAGCAGCAGCCAGCCTGCAACAGGTGAGAAGAAAGA ATGCTGGTCGTGGGAGTCTACCTAGAGGAGCAGAAGGCCATTACTGCTCCAGTCAGCCT CTTCCAGGACTCCAGGCAGTCACTCACAACAAGATGGCNTCAAATGGGCATGAAGTTG GAAGGCATTGACCCTCACAAACCGTCCATGACTTCATNCTTACGTGGCTGAGGTATGTGG CTTCGNTCGCCTGGCTTGTATGGGTATCTGAGTGCATGACTTTTGGTCATGCCACTCC </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_015478 unedited</p> <pre> GCTATGGACCGGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTAAAAAGCCAAAACCTGGGGTTTATTGGGTCCACCATAGCAGTCAT TTTGTATAGGTAAGGGATGGGATCTACATATTCCTCCATAATATGGCTCTATTATATAC TAGGGATACACAGCCATATGCTACATAAAGACATTTTTGTCAATGATTCCACATTTAAAA CCATGGCCCCATAAAATTATAGGGGAACATATACAGAAACCTGATACATGGCCCTTGATA TTGGCATTGCAAATCAAGTAGGGGAAATGACTGACATTGAGTAATAAGGCTGGGACATTT GGTATTTTCATGGGAAAATATACTTGAAATAAAAAATACATATAACATCTAGGTTTGGGTA AGTACATTCTATAATGTTTACACAATGACAAAATTCCTAGGGACACATTTTTAAAAATG TATCCCATCGTTAAGCAATGCATGACTGTAATTATACTAAACGTTCTGGTATGATTTCAT TCATATTTCCAATGCTCACAATGGCTCTGCAAGGTAAACCTCATTAAACCCATTTTATC TCCATTTTACAGACAAAAGATGTAGGCTCAAAGACAGTAAACAGCTCAAATTGACAGAA CTGGGATTTAAACCCAGACTGTCTCCAAAAGTGCATTTCTTTTTTATCTACAACCTCACT ACTCCTTGGCTCTTGATTTTAAGTGTGTGTTAAGGATCCTTGCAGTAAATCACAATATCT GGGGTCATCCAAAAACACTTTAATTATCAACTATATGGGATTAAGGGGAAAAAGCCAC TTTATTATGACTTCACTGGCAAGCTAATTTGGCAGCAAATGATGGTAAAGACAAAGGATG AAGGACTGCTCCGGATGCTTCTTCTGAAGATAACGAA </pre>
<b>Restriction Sites:</b>	ECoRI-NOT
<b>ACCN:</b>	NM_015478
<b>Insert Size:</b>	2930 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_015478.4](#), [NP\\_056293.3](#)

**RefSeq Size:** 3205 bp

**RefSeq ORF:** 2319 bp

**Locus ID:** 26013

**UniProt ID:** [Q9Y468](#)

**Cytogenetics:** 20q13.12

**Domains:** zf-C2HC, MBT

**Protein Families:** Transcription Factors

**Gene Summary:** 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]  
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.