

Product datasheet for **SC106958**

L3MBTL2 (NM_031488) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L3MBTL2 (NM_031488) Human Untagged Clone
Tag:	Tag Free
Symbol:	L3MBTL2
Synonyms:	H-l(3)mbt-l; L3MBT
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_031488, the custom clone sequence may differ by one or more nucleotides

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ATGGAGAAGCCCCGGAGTATTGAGGAGACCCCATCTTCAGAACCAATGGAGGAAGAGGAAGATGACGACT
TGGAGCTGTTTGGTGGCTATGATAGTTTCCGGAGTTATAACAGCAGTGTGGGCAGTGAGAGCAGCTCCTA
TCTGGAGGAGTCAAGTGAAGCAGAAAATGAGGATCGGGAAGCAGGGGAAGTCCCGACCTCCCCGCTGCAT
TTGCTCAGCCCTGGGACTCCTCGCTCCTTGGATGGCAGTGGTTCTGAGCCAGCTGTCTGTGAGATGTGTG
GTATCGTGGGTACAAGGGAAGCCTTCTTCTCCAAGACCAAGAGGTTCTGCAGCGTCTCCTGCTCCAGGAG
CTACTCTCCAACCTCCAAGAAAGCCAGTATCTTGGCTAGGTTACAGGGAAAACACCGACCAAAAAAGCC
AAAGTCTGCACAAGGCTGCCTGGTCTGCCAAAATTGGAGCCTTCTCCACTCTCAAGGGACAGGACAGC
TGGCAGATGGGACACCAACAGGACAAGACGCTCTGGTCTTGGGCTTCGACTGGGGGAAGTTCCTGAAGGA
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CTGTCTCCAGACAGCAGGGTATCGGGTCTGCTTCGGTATGAAGGCTTTGAAAATGACGCCAGCCATGA
CTTCTGGTGCAACCTGGGAACAGTGGATGTCCACCCCATTTGGCTGGTGTGCCATCAACAGCAAGATCCTA
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CCAGGACGCTTCCCGTGGATTTCCACATCAAGATGGTGGAGAGCATGAAGTACCCCTTTAGGCAGGGCAT
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TGATCCACCCAGTGGGTGGTCAAGACGTGTGGGCCACGGCATCAAGATGTCAGAGAGGCGAAGTGACAT
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AAAAGAATCCCGCCCACTAAGACGCGACCCCTCAGACAGGGGTCCAAGAAGCCCTGCTGGAGGACGACC
CTCAGGGTGCCAGGAAGATCTCGTCTGGAGCCTGTTCTGGCGAGATCATTGCTGTGCGTGTGAAGGAAGA
GCATCTAGACGTGGCCTCGCCCGACAAGGCTTCAAGTCCAGAGCTGCCTGTCTCCGTCGAGAACATCAAG
CAGGAAACAGACGACTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_031488 unedited
 GGTACATTTGTAACCATCACTTAGGCGGCCGCGNAATCGCACGAGGAGGCTTCTCTGCA
 CCTGGTGACGCTTGGCGAACTGAGGTCTCATGTGAGAAGCCCCGGAGTATTGAGGAGAC
 CCCATCTTCAGAACCAATGGAGGAAGAGGAAGATGACGACTTGGAGCTGTTTGGTGGCTA
 TGATAGTTTCCGAGTTATAACAGCAGTGTGGCAGTGAGAGCAGCTCCTATCTGGAGGA
 GTCAAGTGAAGCAGAAAATGAGGATCGGAAGCAGGGGAACTGCCGACCTCCCCGCTGCA
 TTTGCTCAGCCCTGGGACTCCTCGCTCCTTGGATGGCAGTGGTTCTGAGCCAGCTGTCTG
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 ATTACAGGAAAACACCGACCAAAAAAGCCAAAGTCTGCACAAGGCTGCCTGGTCTGC
 CAAAATTGGAGCCTTCTCCACTCTCAAGGACAGGACAGCTGGCAGATGGGACACCAAC
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 CAAGGCTGCTCCCGTCAGCTGTTTCAAGCACGTCCCACTCTATGACCAGTGGGAGGATGT
 GATGAAAGGGATGAAGGTGGAGGTGCTCAACAGTGATGCTGTGCTCCCGAGCCCGGTGTA
 CTGGATCGCTCTGTCATCCAGACAGCAGGGTATCGGGTCTGCTTCGGTATGAAGGCCT
 TTGAAAAGACGCCCGCCAGACTTCTGTTGCACCTGGGAACAGTGGATGCCACCCATTGG
 CTGCGTGCCCTCAACAACAAGACCTATTGCCCCACGACCATCATTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_031488 unedited
 GACCGCGCCCGCAATCTANAGTCGAGTTTTTTCTTTTTTTTTTAGAGTTTACTGTCTT
 GTATTCCACAGTGTGACAGTGGTGGCCCCATCCCTGGCAACTGAGGGCCGTGGCGGGTGG
 GGGGAGGCCATCTTAAGGAAGAGCAGGCAGCTAGCGTTCCAGCTTTGGGAACTCTGGCT
 GGAAAAGGTGTTTACAGACGAGTTCTGGGGCCTCAGGCGGCCCGTCATATAGACCTTTC
 CACAGGGGAGGGCAGAAGCAACAGGCGGGTCCCAGGAGACCCAGCAGGTCTCCACCGT
 CCAGCCTTACAGCACCGGGCAGAATTTACACAGAGAGGATCAGTCTCCAAGCCAAAGCC
 AGGTGGAGGCATGGTGGTGGTGGTAGAGAAACGCTGGGCTGGCTTCCAGCTAGAAGCCAG
 GCTGGAGGCAGGAAGGCTCAGACGACTGTTCCCTGCTTGTGCTCTCGACGGAGACAGGC
 AGCTCTGGACTTGAAGCCTTGTGGGCGAGGCCACGTCTAGATGCTCTTACTTCACACG
 CACAGCAATGATCTCGCCAGGACCAGGCTCCGACGAGATCTTCTGGCACCCCTGAGGGCC
 GCCCTCCACAGGGGCTTCTTGAACCCCTGTCTGAGGGGCGCGCCTTACTGGCGGCATT
 CTTAGCTTTTTCTACCAACTGATCCTTTTTCTCCTTTGTGGCCTTTTGCCCTTCACCG
 TTGTGCCCGTCTTTGCGCACACCAGGAGCTTGAACCTGCACACCCGCGAGTTTACACCA
 ATCGACCGCCTATTTGTCTGCCCCCCCCATAACCCACTCTGCCGCTCATTTCTCCACC
 CCCTCCCTGTTTTTTGTCTCTCTCTCCACCCCTCCCTCCCCGCTTGACACCATCTC
 CCTCGGCCCTCCCTCCACCATTCCTTTTATCCCTCTCCCTGTCTCTCTATTCTTTTCC
 CCGCCCTCCCTTCCCGATATATTACCCCGCTCCACCGGGCTCCAGTCCCATTTT
 AAT

Restriction Sites:

NotI-NotI

ACCN:

NM_031488

Insert Size:

2710 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:	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_031488.4, NP_113676.2</u>
RefSeq Size:	3205 bp
RefSeq ORF:	2118 bp
Locus ID:	83746
UniProt ID:	<u>Q969R5</u>
Cytogenetics:	22q13.2
Domains:	MBT
Protein Families:	Transcription Factors
Gene Summary:	Putative Polycomb group (PcG) protein. PcG proteins maintain the transcriptionally repressive state of genes, probably via a modification of chromatin, rendering it heritably changed in its expressibility. Its association with a chromatin-remodeling complex suggests that it may contribute to prevent expression of genes that trigger the cell into mitosis. Binds to monomethylated and dimethylated 'Lys-20' on histone H4. Binds histone H3 peptides that are monomethylated or dimethylated on 'Lys-4', 'Lys-9' or 'Lys-27'. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (a).