

Product datasheet for **SC324425**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_031488.4

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ATGGCTTCCTGCACCTGGTGACGCTTGGCGAACTGAGGTCTCATGGAGAAGCCCCGGAG
TATTGAGGAGACCCCATCTTCAGAACCAATGGAGGAAGAGGAAGATGACGACTTGGAGCT
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TATCTTGGCTAGATTACAGGGAAAACACCGACCAAAAAAGCCAAAGTCTGCACAAGGC
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GCCCTCCACAGATGGCTTGGACTGGTTCTGCTACCATGCCTTCTCCACGCCATCTTCCC
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GACTTTCAACTGGGAGAACTACTTGGAGAAGACCAAGTCGAAAGCCGCTCCATCGAGACT
 CTTTAACATGGATTGCCCAAACCATGGCTTCAAGGTGGGCATGAAGCTGGAGGCCGTGGA
 CCTGATGGAGCCCCGGCTCATCTGTGTGCCACGGTGAACGAGTGGTGCATCGGCTCCT
 CAGCATCCACTTTGACGGCTGGGACAGCGAGTACGACCACTGGGTGGACTGCGAGTCCCC
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 GAAGCCCCTGCTGGAGGACGACCCCTCAGGGTGCCAGGAAGATCTCGTCGGAGCCTGTTCC
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 CTTAAGATGGCCTCCCCCGACCCGCCACGGCCCTCAGTTGCCAGGGATGGGGCCACCAC
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 CGTGAACACAGAACCCTCAAGACAAGGATGACAGAGCTGGAGGACACATCTAGCTGCCAT
 TGCAACCTCACTGGGCTCCCAGACTCTGTGTGTGAGAAATTAACCCCTGCTTGCTTG
 AGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_031488
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:	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_031488.4](#), [NP_113676.2](#)

RefSeq Size: 3205 bp

RefSeq ORF: 2118 bp

Locus ID: 83746

UniProt ID: [Q969R5](#)

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).