

Product datasheet for **RN213204**

L3mbtl2 (NM_001033695) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | L3mbtl2 (NM_001033695) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | L3mbtl2 |
| Synonyms: | MGC124862 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN213204 representing NM_001033695
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAAGCGCGGGGCACTGAGGAGACGCCATCTTCAGAGCCAATGGAAGAGGAGGAAGATGATGACT
 TGGAACTCTTCGAGGCTACGATAGCTTCGGAGTTACAACAGCAGTGCGGGCAGTGAGAGCAGCTCCTA
 CTGGAGGAGTCAAGTGAAGCAGAAAATGAGGATCGGGAAGCAGGGGAGCTGCCACCTCACCTCTGCAT
 CTGTTCAGCTCTGCGAATAACCGCGCCTTGGATGGCAGTGGTTCTGAGCCAGCTGTCTGTGAGATGTGTG
 GTATTGTGGGCACCAGAGAAGCTTTCTTTTCAAAGACCAAGAGGTTCTGCAGTGTCTCATGTTCCAGGAG
 CTA CTCTTCCAACCTCAAAGAAAGCCAGTATCTTGGCTAGACTTCAGGGAAGCCCCACCAAGAAAAGCC
 AAAGTCTGCACAAGCAGCCTGGTCCGCCAAAATGGAGCCTTCTCCACGCCAGGGAACAGGACAGC
 TAGCAGATGGGACACCCACAGGACAAGACGCTCTAGTCTTGGGGTTCGACTGGGGGAAGTCTCTGAAGGA
 TCACAGTTACAAGGCTGCTCCTGTCGGCTGCTTTAAACACGTACCCCTCTATGACCAGTGGGAGGACGTC
 ATGAAGGGGATGAAGGTAGAAGTCTCAACAGCGACGCCGTGCTCCCAGCCGGGTACTGGATCGCCA
 CTGTCTCCAGGCAGCTGGGTACCGGTTACTGCTCCGATATGAAGGCTTTGAGAATGACGCCAGTATGA
 CTTCTGGTGCAACCTGGGGACTGTGAGCAGTCCACCCATTGGGTGGTGTGCCATCAACAGCAAGATCCTG
 GTGCCCTCACGGACCATCCATGCCAAGTTTACTGACTGGAAGAGCTACCTCATGAAGCGGTTGGTGGGAT
 CCAGGACACTTCTGCAGATTTCCATATCAAGATGGTAGAAAAGCATGAAGTACCCCTTTCGGCAGGGCAT
 GCGCTTAGAGGTTGTAGACAAGACTCAGGTGTACGGACCCGCATGGCTGTGGTGGACACAGTAATTGGG
 GGTGCGCTGCGGCTCCTCTATGAGGATGGTGACAGTGTATGACTTCTGGTGCCATATGTGGAGTCCCC
 TGATCCATCCAGTGGGTTGGTACGGCGTGTGGCCACGGCATCAAGATGTCAGAGAGACGATGTGACAT
 GTCTCATCACCTACCTTCCGGAATACTACTGTGATGCTGTTCCTTACCTCTTCAAGAAGGTCGGAGCT
 GTCTACACAGAAGGTGGTTGGTTTGGAGGAAGAAATGAAACTAGAGGCCATTGACCCTCTGAATCTGGGCA
 ATATCTGTGTAGCAACCTCTGCAAGGTCTCCTGGATGGTTACCTGATGATCTGTGTGGATGGGGGGCC
 GTCCACGGATGGCTCAGATTGGTTCTGCTACCACGCTCCTCCCAGCCATCTTCCCAGCCACCTTCTGC
 CAAAAGAATGACATCGAGCTCACACCCCAAAAGGGTATGAGACACAGCCTTTTGACTGGGAGAGCTACT
 TAGAAAAGACCAAGTCAAAGCAGCTCCAGCGAGACTCTTAAACATGGACTGCCCAACCATGGCTTCAA
 GGTGGGCATGAAGCTGGAGGCTGTGGACTTGATGGAGCCACGGCTCATCTGTGTGGCCACCGTGAAGCGA
 GTGGTGCATCGTCTCCTGAGCATCCACTTCGATGGCTGGGACAACGAGTATGATCAGTGGGTGGACTGCG
 AGTCCCCCGACATCTACCCTGTTGGCTGGTGTGAACTCACCGGCTACCAGCTCCAGCCGCCCGTGTCCGC
 AGAACCAACACACCTCAGAAAGCAAGGATGCCACGAAGAAGAAGAAGCAGTTTGGGAAGAAAAGG
 AAAAGAATCCCGTCAGCCAAGACTCGGCCCTCAGACAGAGCTCAAGAAAACCTTACTGGAGGACAACC
 TTGAGGCTTTGGGGTCTCGGAACCAGTTCCTGATGACATCATCGCTGTGTGTGAAAGAGGAGCACCA
 GGACCTGCCCTCGCTGACAGGTCACCCAGTCCACTGCTGCCCTCCCCACCGAGAGTATCAAGCAAGAA
 AGGGACAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001033695
Insert Size: 2112 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).

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| 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: | <u>NM_001033695.1</u> , <u>NP_001028867.1</u> |
| RefSeq Size: | 3409 bp |
| RefSeq ORF: | 2112 bp |
| Locus ID: | 300320 |
| UniProt ID: | <u>Q3MIF2</u> |
| Cytogenetics: | 7q34 |
| 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' (By similarity). [UniProtKB/Swiss-Prot Function] |