

Product datasheet for **MC205110**

L3mbtl2 (NM_145993) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L3mbtl2 (NM_145993) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	L3mbtl2
Synonyms:	4732493N06Rik; M4mbt
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```
>BC023933
CCACGCGTCCGCGGACGCGTGGGGTGACGGTTGAGGGAATTGAATTTGGTATCATGGAGAAACCGCGGGG
CACTGAGGAGGCGCCATCTTCAGAGCCAATGGAAGAGGAGGAGGAAGATGACTTGGATCTCTTTGGGGG
TACGACAGCTTCCGGAGTTACAACAGCAGTGCGGGCAGCGAGAGCAGCTCCTACTTGGAGGAGTCAAGTG
AAGCAGAGAACGAGGACCGGGAAGCAGGGGAGCTGCCCACCTCACCTCTCCATCTGTTACAGCTCTGCGAA
CAACCGCTCCTTGGATGGAAGTGGTCTGAGCCAGCTGTCTGTGAGATGTGTGGTATCGTGGGCACAAGA
GAAGCTTTCTTCTCAAAGACCAAGAGGTTCTGCAGCGTCTCGTGTTCAGGAGCTACTCCTCCAACCTCCA
AGAAAGCCAGTATCCTGGCTAGACTACAGGGAAGCCACCCACCAAGAAAGCCAAAGTCTGCACAAGGC
AGCCTGGTCTGCCAAAATTGGAGCCTTTCTCATGCCCCAGGGAACAGGACAACTAGCAGATGGGACACCC
ACTGGACAAGATGCTCTGGTCTGGGCTTCGACTGGGGCAAGTTCCTGAAGGATCATAGTTACAAGGCTG
CTCCTGTGAGCTGCTTTAAACATGTACCCCTCTATGACCAGTGGGAAGACGTGATGAAGGGGATGAAGGT
GGAAGTGCTCAACAGCGATGCTGTGCTCCCGAGCCGGGTGACTGGATCGCCACTGTGATCCAGGACGCT
GGGTACCGGGTGCTGCTCCGATATGAAGGCTTTGAAAATGACGCCAGTCACTGACTTCTGGTGCAACTTGG
GAACTGTGGATGTCCACCCATTGGGTGGTGTGCCATCAACAGCAAGATCCTGGTACCTCCACGGACCAT
CCATGCCAAGTTTACTGACTGGAAGAGCTACCTCATGAAGCGGTTGGTGGGTTCCAGGACACTTCTGCA
GACTTCCATATCAAGATGGTGGAAAGCATGAAGTACCCTTTCCGACAGGGCATGCCTTAGAGGTTGTAG
ACAAGACTCAGGTGTACGTACCCGCATGGCCGTGGTGGACACAGTAATCGGGGGTGCCTCCGGCTCCT
CTATGAGGATGGTGACAGTGATGACGACTTCTGGTGCCATATGTGGAGTCCCCTGATCCACCCAGTGGGT
TGGTCCCGCGCTGTTGGCCACGGCATCAAGATGTCAGACAGACGATGTGACATGTCTCATACCCCACTT
TCCGAAAATCTACTGTGATGCTGTACCTTACCTCTTCAAGAAGTCCGCGCTGTCTACACAGAAGGTGG
CTGGTTCGAGGAAGGAATGAACTAGAGGCCATTGACCTCTGAATCTGGGCAGTATCTGTGTAGCAACC
ATCTGCAAGGTGCTCTTGGATGGTTACCTGATGATCTGTGTGGATGGGGGGCCCTCCACGGATGGCTCCG
ATTGGTCTGCTACACGCCTCCTCCCATGCCATCTTCCAGCCACCTTCTGCCAAAAGAATGACATTGA
GCTCACACCCCCAAAAGGTATGAGACACAGCCTTTTGCCTGGGAGACCTACTTAGAGAAGACCAAGTCA
AAAGCTGTCCAGCAAGACTCTTTAACATGGACTGCCCCAACCATGGCTTCAAGGTGGGCATGAAGCTGG
AGGCTGTGGACCTGATGGAGCCCCGGCTCATCTGTGTGGCCACCGTGAAGCGGGTGGTGCATCGGCTCCT
CAGCATCCACTTCGACGGCTGGGACAACGAGTATGATCAGTGGGTGGACTGCGAATCCCCGGACATCTAC
CCTGTGCGCTGGTGTGAGCTACCGGCTACCAGCTCCAGCCGCCTGTGTCCGCAGAACCAACACACCTC
AGAAAGGCAAGGACACCACAAAGAAGAAGAAGAAACAGTTTGGGAAGAAAAGGAAAAGAATCCCATCAGC
CAAGACTCGGCCCTCAGACAGGGCTCCAAGAAACCTTACTGGAGGACAACCTTGAGGCTTTGGGGGTC
TCGGAACCAAGTTCCTGATGACATTATCGCTGTGTGTGTGAAGGAGGAGCACCAGGACATTTCTCGCCTG
ACAGGTCGCCAGTCCACAGCTGCCTCTTCCCATTGAGAGCATCAAGCAGGAGAGGAACAACCTGAGACTT
CCCTGGCATCAGCTGGACCCTAACTGAAGCAAGCATGGAGCAGAGAGGAGGCCCGGCTTTACTGCTGT
GCAGTGAATGGACAGCCTGGCGTTCCAGGGCTGCCTCTGCCCTCTGGCTGGCACTCATTGCACCCTCAGC
ACACTGGAAGAACTAGACTGGTCCCCATGGTCTACCCAGGCAAGTGGTAGAAGTAAGGTTACGGAGCAGCC
GACGCTGGGTGAGGACGGAGCCACCTCCGCCAAAATAAATTGAGGGTCACTGACCTCCTGGGGGCACCC
TGCACCGCCTGATGTCCAGGGGCCCCACTGTGGCAGGGAATTGACCAAGTAGCGGGCTCGAGAGATTTG
GGTTTGGGCTTGACCTCAGGGATAACAAGAACACTGACTTCCTTCTGAGAGGGAACAGCTGGGAAGAT
GTACAGGGACCTGAGCCCTAAGGGAGACTCGGGCCAGGCTACTTGTGTGAGTACAGGATCAGACAGT
AGTTTGGTCCATGTAGTCGGGGAAGTGCCTGAGAGAGACCGTCTTCTCTAGAGCGGGGCTTGGGCTAAC
TAACATTCCTCTCCCTGCCTGGCTAGCCAGCCACTGCTCAGCCCTTACAGCATCTGCCTTTGGTT
TTCTCACTTGGACACATTTTGTATTTTATTTTGGACAGGGTCTATGTAGTACTTGCTGTCTGGGGCTT
GGTATGCAGCCCATGCAGATTCTAAACCGGTAGGGATCCCCCTGCCTCTGCCTTCCGAGGCTGTGCACC
CAGCCCCCGGCTAGACAGTTTGGCTGGCCCTCCAGGATCATCTGAACAGCCCTGGGGCTCCTGCAGTG
CCCCTGTGTCTGACTGGGATTTGACTGAAGCAGTGAGGCCAGTGGCTCCCTACGGCTGTGGCTGTGCCG
TGTGGCCATCTCTGGGCTACGCCAGTCAAGTCTTGTTCATCCCTGAGGGGAGATGTGAGTGGCCAGTCA
TCATGGACTGGGAGGTTCTGAGAGAAGTTGGTCTTGATCTATCTGCTAAAGATAGCCACCTGTGCAG
AATCTAGGCCATGAAAGAGGCCTTTGCCTGCCTGCTCTCCTCAAAGGGAAGAAGATGAAAGTCCACAGTA
AAAGGCAGGTTCAATTCCAGCACCCACTCACAGCACCTGCATCGTGAGCGCCAAGGGAGCTGGGCCTC
TGGTTTCCGTGGATACAAATGTGCACATCCTTAAATGTAATAAAAAATAAATCTTTGAAGAAAACAAA AAAAAAAAAA
```

Restriction Sites:

RsrII-NotI

ACCN:	NM_145993
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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC023933</u> , <u>AAH23933</u>
RefSeq Size:	3441 bp
RefSeq ORF:	2112 bp
Locus ID:	214669
UniProt ID:	<u>P59178</u>
Cytogenetics:	15 E1
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] Transcript Variant: This variant (2) has an additional segment in the 3' UTR and coding region compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.