

Product datasheet for **MR217159**

L3mbtl4 (NM_177278) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L3mbtl4 (NM_177278) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L3mbtl4
Synonyms:	A730037L19Rik; D930040M24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR217159 representing NM_177278
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGACAACCTAACCGGAAGAGGAAGCTCAGCCTAGAGTCTACAGAGCGCATGAATCAGGACAGATGCA
 CGGGCAAACCTGAGGAAGAAAAGAAGCCGGGAGAGGTGACCACACCTTCAAAGCGAGAATCTTCTGTGAC
 TACAGCGGAAACCTGGTCTGGGAGCAGTACCTGAGAGAAGGAAACGCTGTAGCTGCACCACTAGAACTG
 TTTTCAAAGGACCAATCCTTTCCGGAGCATGAAAATGGCTTTCCAGGTTGGAATGAGGTTGGAAGGCATTG
 ATGCCCGACGTCCATCTGTGTTCTGTGTGCTTTCTGTAGCAGAGGTGTGTGGCTACCGGCTGAGACTGCA
 TTTTGATGGTTATTTAAGCTGCTATGATTTTTGGACCAATGCTGGTTCGCCGGACATTCACCCAGTGGGA
 TGGTGTCAAAGACCAAGCATGAACTGCATATCCCTCGGATTATAGAAAAGATAAATTTGTTTGGATGG
 ATTACTGAAGGCCTGTAGATTGCAAAAATGCTCCTAAGAAATTATTCAGAAACAGAAGTTCTAATGGTCC
 AGTGCCAAAGGAGTTTCAAGTTGGGATGAAGCTGGAGGCTGTGGACAGGAGGAACCCCTTGCTTGATGTGT
 GTGGCAACCATTCAGACATTGTGGAAGACCGAGTCCGGGTGCATTTTGACAGCTTGGATGACAGCTTTG
 ATTACTGGTGTGATGTTAACAGCCCTTACATCCAGCCGGTTGGTGGTGTGAGGAGAACGGAAGAACTCT
 GGTGCTCCCAAGGTTATCCTCATCCAGATAAGTTTTCTGGACAGACTACCTGCGAGCTTCTCAATCG
 AAGGCAGTGCCCGCAAGGCCTTTGGCATGAGGACTCCACATGGTTTTTTGCCAAACATGAAGTTGGAAG
 CTGTGGACAAAAGGAACCCCAAGTTGATTCGTGTTGCTACCATTGCCGATGTTGATGACTACAGAGTAAA
 GATTCATTTTCGATGGCTGGGACCATAAGTACGACTATTGGGTGGATGCCGACAGCCAGGACATCCACCCC
 ATCGGGTGGTGCATGTGACAGGGCATCCGCTGGAAGTCCATATGGGTCAAAGCATGTGAAAATCCTTC
 CAGGTCAACCTGCATGTCTACTCCTGGTGCCGAGGCATAGGTGCATATCCGTGGCCACGTTATGCAGG
 ACACCACAGTGCTTTTGGGTGCCCGTACTCAGATGTGAACTTGAAAAGAGAGGCAGCCCTTCAGGATCGC
 CTGAGAGAACAAACACAGGCAAATTTGGAACCTGATCCTTACATTCCAATCAGAAAACCCCTGTAAAT
 TGAATGTCAACGGAATGTGAAAATGCAACAGTCAGTGCAGACTTGTACAGCAGGCAAAGTGTGTTGAA
 AATCAAAGGAAAAGAAGATATTGACTTGGATAATCTCTCAGAGTCTGGTTTTCCATCCTCGAAGGCTA
 GAGTACTCAGCTGCACAGGTGCAGCAGATGCTTACCAGCCGCTCTCCATGACATCCACGCTGCCACC
 CTTTCCGAGACATCCCCCTCAGCAGGGAGCAGCACTGCAAGCTGCTTCCAGGTGTGGCTGACATCCAAGC
 CAGTCAAGTGGCCAGATGGACAGTGGATGAGGTGGCTGAGTTTGTGAGTCTCTTCTGGGCTGTGAAGAA
 CACGCCAAGTGTCTCAAGAAGGAGCAGATAGATGGCAAAGCCTTCTGCTTCTGACCCAGGCAGATATTG
 TCAAAGTGATGAGAATCAAGCTGGGCCAGCACTGAAGATCTACAACCTATCCTGATGTTCCAGGAACCT
 CCAGGATGCACTGAAGATGCCTTAGCCAAGAAGACAAGAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217159 representing NM_177278
 Red=Cloning site Green=Tags(s)

MRQPNRKRKLSLESTERMNDRCQTQTEEEKKPGEVTTTPSKRESSVTTAETWSWEQYLREGNAVAAPVEL
 FSKDQSFPEHENGFOVGMRLLEGIDARRPSVFCVLSVAEVCGRRLRLHFDGYLSCYDFWNTAGSPDIHPVG
 WCQKTKHELHPRDYRKDFVWMDYLLKACRLQNAPKKLFRNRSSNGPVPREFQVGMKLEAVDRRNPCLMC
 VATIADIVEDRVRVHFDLDDSFYWCNVNSPIQPVGWCQENGRTLVAPQGYPHDPKFSWTDYLRASQS
 KAVPAKAFGMRTPHGFLPNMKLEAVDKRNPQLIRVATIADVDDYRVKIHFDGWDHKYDYVWDADSDIHP
 IGWCDVTHPLEVPYGSKHVKILPGQPACTPGCRGIGHIRGPRYAGHHSFAGCPYSDVNLKREAAALQDR
 LREQTQANLELDPSHKSSENPCNLNVNGKCNANSQCRLVQQAACKLIKPKEDIDLNLFRVLVFHPRRL
 EYSAAVQVQMLHQPLSMTSTSAHPFRDIPLSREQHCKLLPGVADIQASQVARWTVDEVAEFVQSLLGCEE
 HAKCFKKEQIDGKAFLLLTQADIVKVMRIKLGPAKLIYNSILMFRNSQDVTEASSQEDKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9085_g02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_177278

ORF Size: 1863 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_177278.5](#), [NP_796252.2](#)

RefSeq Size: 4570 bp

RefSeq ORF: 1866 bp

Locus ID: 320858

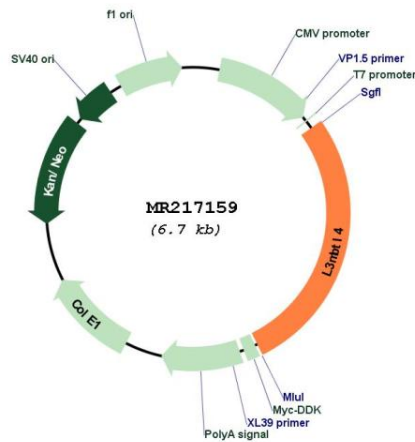
UniProt ID: [B1B1A0](#)

Cytogenetics: 17 E1.2

MW: 70.9 kDa

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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217159