

Product datasheet for **RC221122**

L3MBTL1 (NM_032107) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L3MBTL1 (NM_032107) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L3MBTL1
Synonyms:	dj138B7.3; H-L(3)MBT; L3MBTL; ZC2HC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC221122 representing NM_032107
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACCTTGGTGGCCGGAGACAGCCCCGGTTCTGGTCCTCACCTGCCCGCAACTGCCTTCATCATTCCAG
 CCAGTTTCGGCCACCCTCGGCCTGCCAGCAGTGCCTGGATGTGTCTTGCTTTCCCGGGAGCCAATCCA
 TGTGGGTGCCCGGAGCAAGTGGCCGGCTGCGAACCAAGTTTCTGCCACCCTCCTGCCGACGTTAGCGCC
 GGGCCGGCCAGCTCCAGCACCAGCACAGTGCAGGCTTCTGGAATGGACAGAGGCCGCGGCCCGCCCCAG
 GGGGGCGGCTGCGGTTCCGGATAAGCGAGTATAAGCCGCTGAACATGGCGGGAGTGGAGCAGCCCCGAG
 CCCCAGCTGCGGCAGGAAGGCGTGACCGAATACGAAGATGGCGGGGCCCGCGGGGAGATGGCGAGGCG
 GGCCCCAACAGGCGGAGGACCACCCCAAGATCCTCCAGAAGATCCCAATCAGGACCCCCAGAGGATG
 ATAGCACCTGTCAGTCCAGGCGTGCAGGCTCACCAGCCGCGGGTCCAGATCTTGTTCTCTAATGA
 TGCTGCCCTCAGCTGTTCCAGGAGCGTCACTATAGTGGAGAATCCTCAGGCTCTACCAGCGTCTCT
 GAGCTCCTCAAACCCATGAAGAAGAGGAAGCGCAGGGAATACCAGAGCCATCAGAGGAGGATCGGAGC
 CAGAGGCCATGGAGAAGCAAGAAGAAGGAAGGACCCAGAGGGACAACCCACTGCTAGCACCCCAGAGAG
 TGAGGAGTGGAGCAGCAGCCAGCCTGCAACAGGTGAGAAGAAGGAATGCTGGTCTGGGAGTCTACCTA
 GAGGAGCAGAAGGCCATTACTGCTCCAGTCACTCTTCCAGGACTCCCAGGCAGTCACTCACAACAAGA
 ATGGCTTCAAACCTGGGCATGAAGTTGGAAGGCATTGACCTCAACACCCGTCCATGTAATCCTCAC
 CGTGGCTGAGGTATGTGGCTATCGCCTACGCTGCACTTTGATGGGTATTCTGAGTGCCATGACTTCTGG
 GTCAATGCCAACTCCCCTGACATTACCCTGCTGGTGGTTCGAGAAGACGGGCCACAAGCTGCAGCCTC
 CAAAGGTTACAAGGAGGAGGAGTTCAGCTGGAGCCAGTACCTGCGCAGCACAAGACTCAGGCTGCCCC
 CAAGCACCTGTTTGTGAGCCAGAGCCACAGTCCCCACCCTGGGCTTCCAGGTGGGCATGAAGCTGGAG
 GCTGTTGACCGCATGAACCCGTCCTTGTCTGCGTGGCCAGTGTGACCGATGTTGGTGGACAGCCGCTTCC
 TGGTGCACCTTTGACAACCTGGGATGATACTTATGACTACTGGTGTGATCCCAGCAGCCCTACATCCACCC
 AGTGGGCTGGTGCAGAGAAGCAAGGAAAGCCCTCACCCCTCCACAAGACTACCCAGACCTGATAACTTC
 TGTGGGAGAAATATCTGGAAGAACTGGGCTCTGCTGCTCCCCACCTGGGCTTCAAGGTGCGACCCC
 CTCACAGCTTCTGGTCAATATGAAGCTGGAGGCTGTGGACCGCAGGAACCCAGCCCTGATTCGCGTGGC
 CAGCGTGGAGGATGTGGAGGACCATCGGATAAAGATCCACTTTGATGGCTGGAGTCATGGCTATGATTT
 TGGATCGACGCTGACCACCCAGACATCCACCCTGCCGGCTGGTGTCCAAGACAGGACATCCCCTGCAGC
 CTCTCTCGGACCCAGAGAGCCAGCTCTGCCTCCCTGGGGGCTGTCCCCTCTCAGCTATAGGAGCCT
 GCCCCACACTAGGACCTCAAATACAGCTTTCACCACCGAAGTGCCCCACTCCTGGTTGCGACGGCTCT
 GGCCATGTCACAGGCAAGTTCACAGCTCACCATTGCCTCTCAGGCTGCCACTGGCTGAGAGGAACCAGA
 GCCGGCTGAAAGCGGAGCTGTCTGACTCGGAGGCTCAGCCCGCAAGAAGAACTCTCAGGCTTCTCCCC
 AAGGAAGAAGCCTCGCCATCACGGCCGAATTGGACGCCCTCCGAAGTATCGAAAGATTCCGCAGGAAGAT
 TTCCAGACCTCACGCCGATGTCGTGCACCAGTCCCTTTCATGTCAGCCCTGTCGGCCACCCCTGACC
 GCTCACTCTCAGTGTGCTGGGAGCAGCACTGCAAGCTCCTGCCAGGAGTAGCGGGCATCTCAGCCTCGAC
 AGTCGCCAAGTGGACCATCGATGAGGTCTCGGCTTTGTTTCAGACCCTGACAGGTTGTGAGGACCAAGCA
 CGCCTCTCAAAGACGAGGCAAGAATAGTCAGAGTGACCCATGTATCTGGGAAGACTCTAGTCTGGACTG
 TGGCCAGCTTGGGACCTTGTGTGCTCAGATCATCTTCCAGGAAGGAAAAGGCATCCTGGAGACAGGAGT
 CCATCACTCTCTGCTCTTACCACCTCATTTGCTTGCCAACTTAGCTTTGCCAGTGATAGTCAATAT

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC221122 representing NM_032107
Red=Cloning site Green=Tags(s)

MHLVAGDSPGSGPHLPATAFIIPASSATLGLPSSALDVSCFPREPIHVGAPQVAGCEPVSATVLPQLSA
GPASSSTSTVRLLEWTEAAAPPPGGGLRFRISEYKPLNMAGVEQPPSPELRQEGVTEYEDGGAPAGDGEA
GPQQAEDHPQNPPEPNQDPPEDDSTCQCQACGPHQAAGPDLGSSNDGCPQLFQERSVIVENSSGSTSAS
ELLKPMKKRKRREYQSPSEEESEPEAMEKQEEGKDPEGQPTASTPESEEWSSSQPATGEKKECWSWESYL
EEQKAITAPVSLFQDSQAVTHNKNKFGLGMKLEGIDPQHPSMYFILTVAEVCYRLRLHFDGYSECHDFW
VNANSPDIHPAGWFEKTGHKLQPPKGYKEEFWSQYL RSTRAQAAPKHLFVSQSHSPPPLGFQVGMKLE
AVDRMNPSLVCVASVTDVDSRFLVHFDNWDDTYDYWCDPSSPYIHPVGCQKQKPLTPPQDYPDPDNF
CWEKYLEETGASAVPTWAFKVRPPHSFLVNMKLEAVDRRNPALIRVASVEDVEDHRIKIHF DGWSHG YDF
WIDADHPDIHPAGWCSKTGHPLQPPLGPREPSSASPGGCPPLSYRSLPHTRTSKYSFHHRKCPTPGCDGS
GHVTGKF TAHHCLSGCPLAERNQSRLKAELSDSEASARKKNLSGFSPRKKPRHHGRIGRPPKYRKIPQED
FQTLTPDVVHQSLFMSALSAHPDRSLSVCWEQHCKLLPGVAGISASTVAKWTIDEVFGFVQTLTGCEDQA
RLFKDEARIVRVTHVSGKTLVWTVSQLGDLVCSDDLQEGKGILETVHSL L CSLPTHLLAKLSFASDSQY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8042_h08.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_032107

ORF Size: 2520 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_032107.5](#)

RefSeq Size: 2743 bp

RefSeq ORF: 2523 bp

Locus ID: 26013

UniProt ID: [Q9Y468](#)

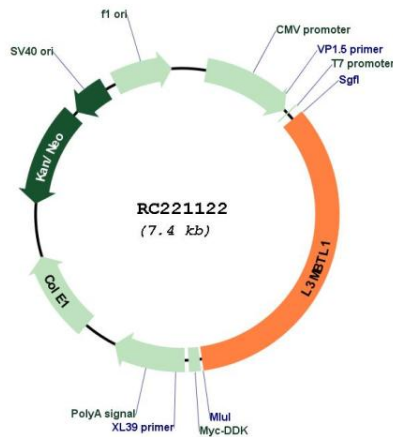
Cytogenetics: 20q13.12

Protein Families: Transcription Factors

MW: 82.1 kDa

Gene Summary: This gene represents a polycomb group gene. The encoded protein functions to regulate gene activity, likely via chromatin modification. The encoded protein may also be necessary for mitosis. Alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq, Sep 2010]

Product images:



Circular map for RC221122