

Product datasheet for **RG221122**

L3MBTL1 (NM_032107) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L3MBTL1 (NM_032107) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	L3MBTL1
Synonyms:	dj138B7.3; H-L(3)MBT; L3MBTL; ZC2HC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG221122 representing NM_032107
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCGAAGAGAGGGCCATGGCACCGACTCCGAGATGGGTCAAGGACCCGTACGGGAGTCGCAATCCT
 CAGACCTCCCGCTCCAGTTCGGATAAGCGAGTATAAGCCGCTGAACATGGCGGGAGTGGAGCAGCC
 CCCGAGCCCCGAGCTGCGGCAGGAAGGCGTGACCGAATACGAAGATGGCGGGGCCCGCGGGAGATGGC
 GAGGCGGGCCCCAACAGGCGGAGGACCACCCCAAGATCCTCCAGAAGATCCCAATCAGGACCCCCCAG
 AGGATGATAGCACCTGTCAAGTCCAGGCGGTGCGGGCCACCAAGCCGCGGGTCCAGATCTTGGTTCCTC
 TAATGATGGTGCCTCAGCTGTTCCAGGAGCGGTCAAGTCAAGTGGAGAAGTCCCTCAGGCTCTACCAGC
 GCTTCTGAGCTCCTCAAACCCATGAAGAAGAGGAAGCGCAGGGAATACCAGAGCCATCAGAGGAGGAGT
 CGGAGCCAGAGGCCATGGAGAAGCAAGAAGAAGAAAGGACCCAGAGGGACAACCCACTGCTAGCACCCC
 AGAGAGTGAAGTGGAGCAGCAGCCAGCTGCAACAGGTGAGAAGAAGGAATGCTGGTCTGGGAGTCC
 TACCTAGAGGAGCAGAAGGCCATTACTGCTCCAGTCCAGCTCTTCCAGGACTCCCAGGCAGTCACTCACA
 ACAAGAATGGCTTCAAACCTGGGCATGAAGTTGGAAGGCATTGACCCCTCAACACCCGTCATGTAATTCAT
 CCTCACCGTGGCTGAGGTATGTGGCTATCGCCTACGCCTGCACCTTGTATGGGTATTCTGAGTGCCATGAC
 TTCTGGGTCAATGCCAATCCCCGACATTCACCTGCTGGTGGTTCGAGAAGACGGGCCACAAGCTGC
 AGCCTCCCAAAGGTTACAAGGAGGAGGAGTTCAAGTGGAGCCAGTACCTGCGCAGCACAAGAGCTCAGGC
 TGCCCCAAGCACCTGTTGTGAGCCAGAGCCACAGTCCCCACCCCTGGGCTTCCAGGTGGGCATGAAG
 CTGGAGCTGTTGACCGCATGAACCCGTCCTTGTCTGCGTGGCCAGTGTGACCGATGTGGTGGACAGCC
 GCTTCTGGTGCACCTTGGACAAGTGGGATGATACTTATGACTACTGGTGTGATCCAGCAGCCCTACAT
 CCACCCAGTGGGCTGGTCCAGAAGCAAGGAAAGCCCTCACCCCTCCACAAGACTACCCAGACCCCTGAT
 AACTTCTGTTGGGAGAAATATCTGGAAGAACTGGGGCCTCTGCTGTCCCCACCTGGGCCTTCAAGGTGC
 GACCCCTCACAGCTTCTGGTCAATATGAAGCTGGAGGCTGTGGACCGCAGGAACCCAGCCCTGATTCG
 CGTGGCCAGCGTGGAGGATGTGGAGGACCATCGGATAAAGATCCACTTTGATGGCTGGAGTCATGGCTAT
 GATTTCTGGATCGACGCTGACCACCCAGACATCCACCCTGCCGGCTGGTGTCCAAGACAGGACATCCCC
 TGCAGCCTCCTCTCGGACCCAGAGAGCCAGCTCTGCCTCCCCTGGGGGTGTCCCCCTCTCAGCTATAG
 GAGCCTGCCCCACACTAGGACCTCAAATACAGCTTTACCACCGGAAGTGCCCCACTCCTGGTTGCGAC
 GGCTCTGGCCATGTCACAGGCAAGTTCACAGCTCACCATTGCCTCTCAGGCTGCCACTGGCTGAGAGGA
 ACCAGAGCCGGCTGAAAGCGGAGCTGTCTGACCCGGAGGCTCAGCCCGCAAGAAGAACCTCTCAGGCTT
 CTCCCCAAGGAAGAAGCCTCGCCATCACGGCCGAATTGGACGCCCTCCGAAGTATCGAAAGATCCGCGAG
 GAAGATTTCCAGACCCCTCACGCCGATGTCTGTCACCAAGTCCCTCTTATGTCAGCCCTGTCCGGCCACC
 CTGACCGCTCACTCTCAGTGTGCTGGGAGCAGCACTGCAAGCTCCTGCCAGGAGTAGCGGGCATCTCAGC
 CTCGACAGTCGCCAAGTGGACCATCGATGAGGTCTTCGGCTTTGTTCCAGACCCCTGACAGGTTGTGAGGAC
 CAAGCACGCCCTTCAAAGACGAGGTAAAGTGAAGTGCAGAGTGGGAGACAGAGCCGGGGTCACTGTCC
 TTAAGACGGCAGGAAGCAGGTGCCCTCCCAGCGTCACTTCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG221122 representing NM_032107
 Red=Cloning site Green=Tags(s)

MRRREGHGTDSEMGQGPVRESQSSDPPALQFRISEYKPLNMAGVEQPPSPELRQEGVTEYEDGGAPAGDG
 EAGPQQAEDHPQNPPEDPNQDPPEDDSTCQCQACGPHQAAGPDLGSSNDGCPQLFQERSVIVENSSGSTS
 ASELLKPMKKRRREYQSPSEEESEPEAMEKQEEGKDPEGQPTASTPESEEWSSSQPATGEKKECWSWES
 YLEEQKAITAPVSLFQDSQAVTHNKNKGFKLGKMLEGIDPQHPSMYFILTVAEVCGYRLRLHFDGYSECHD
 FWVNANSPDIHPAGWFEKTGHKLQPPKGYKEEFWSQYL RSTRAQAAPKHLFVSQSHSPPLGFQVGMK
 LEAVDRMNP SLVCVASVTDVDSRFLVHFDNWDDTYDYWCDPSSPYIHPVGCWQKQKPLTPPQDYDPDP
 NFCWEKYLEETGASAVPTWAFKVRPPHSFLVNMKLEAVDRRNPALIRVASVEDVEDHRIKIHFDGWSHGY
 DFWIDADHPDIHPAGWCSKTGHPLQPPLGPREPSSASPGGCPPLSYRSLPHTRTSKYSFHRKCPPTGCD
 GSGHVTGKFTAHHCLSGCPLAERNQSRKLAELSDPEASARKKNL SGFSPRKKPRHHGRIPPKYRKIPQ
 EDFQTLTPDVVHQS L FMSALSAHPDRSL SVCWEQHCKLLPGVAGI SASTVAKWTIDEVFGFVQTLTGCD
 QARLFKDEV RCKCRVGDRA GVTVLKTAGSRCPPQRHFC

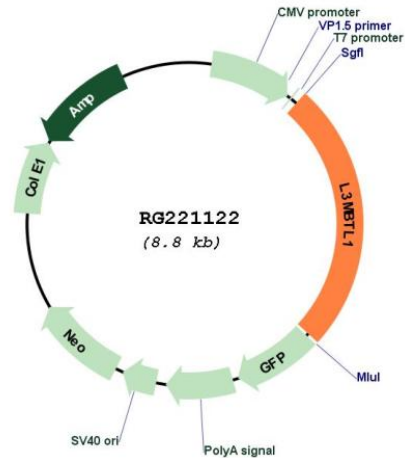
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_032107

ORF Size: 2214 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_032107.2](#), [NP_115479.2](#)

RefSeq Size: 2743 bp

RefSeq ORF: 2523 bp

Locus ID: 26013

UniProt ID: [Q9Y468](#)

Cytogenetics: 20q13.12

Protein Families: Transcription Factors

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]