

Product datasheet for **RG208022**

L3MBTL1 (NM_015478) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L3MBTL1 (NM_015478) 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)



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ORF Nucleotide Sequence:

>RG208022 representing NM_015478
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGGAAGAGAGGGCCATGGCACCGACTCCGAGATGGGTCAAGGACCCGTACGGGAGTCGCAATCCT
 CAGACCCCTCCCGCTCCAGTTCGGATAAAGCGAGTATAAGCCGCTGAACATGGCGGGAGTGGAGCAGCC
 CCCGACCCCGAGCTGCGGCAGGAAGGCGTGACCGAATACGAAGATGGCGGGGCCCGCGGGAGATGGC
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 AGGATGATAGCACCTGTCAAGTCCAGGAGCGGTGAGTCAAGTGGAGAACTCCTCAGGCTCTACCAGC
 GCTTCTGAGCTCCTCAAACCCATGAAGAAGAGGAAGCGCAGGGAATACCAGAGCCATCAGAGGAGGAGT
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 TACCTAGAGGAGCAGAAGGCCATTACTGCTCCAGTCAGCCTCTTCCAGGACTCCAGGCAGTCACTCACA
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 GCTTCTGGTGCACCTTGGACAAGTGGGATGATACTTATGACTACTGGTGTGATCCAGCAGCCCTACAT
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 AACTTCTGTTGGGAGAAATATCTGGAAGAACTGGGGCCTCTGCTGTCCCCACCTGGGCCTTCAAGTGC
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 GGACTGTGGCCAGCTTGGGGACCTTGTGTGCTCAGATCATCTTCAGGAAGGAAAAGGCATCCTGGAGAC
 AGGAGTCCATTCACTCCTCTGCTCTACCCACTCATTTGCTTGCCTTGGCAACTTAGCTTTGCCAGTGATAGT
 CAATAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG208022 representing NM_015478
Red=Cloning site Green=Tags(s)

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MRRREGHGTDSEMGQGPVRESQSSDPPALQFRISEYKPLNMAGVEQPPTPELRQEGVTEYEDGGAPAGDG
EAGPQQAEDHPQNPDPEDDSTCQCQACGPHQAAGPDLGSSNDGCPQLFQERSVIVENSSTGTS
ASELLKPMKKRRREYQSPSEEESEPEAMEKQEEGKDPEGQPTASTPESEEWSSQPATGEKKECWSWES
YLEEQKAITAPVSLFQDSQAVTHNKNKGFKLGKLEGIDPQHPSMYFILVAEVCYRRLRLHFDGYSECHD
FWVNANSPDIHPAGWFEKTGHKLQPPKGYKEEFWSWQYLRSTRAQAAPKHLFVSQSHSPPLGFQVGMK
LEAVDRMNP SLVCVASVTDVDSRFLVHFDNWDDTYDYWCDPSSPYIHPVGCWQKQKPLTPPDYDPDP
NFCWEKYLEETGASAVPTWAFKVRPPHSFLVNMKLEAVDRRNPALIRVASVEDVEDHRIKIHFDGWSHG
DFWIDADHPDIHPAGWCKTGHPLQPPLGPREPSSASPGGCPPLSYRSLPHTRTSKYSFHHRKCPTPGCD
GSGHVTGKFTAHHCLSGCPLAERNQSRLKAELSDSEASARKKNL SGF SPRKKPRHHGRIPPKYRKIPQ
EDFQTLTPDVVHQS L FMSALSAHPDRSL SVCWEQHCKLLPGVAGI SASTVAKWT IDEVFGFVQTLTGCE
D QARLFKDEARIVRVTHVSGKTLVWTVAQLGDLVCS DHLQEGKGIETGVHSL L CSLPTHLLAKLSFASDS
QY
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015478

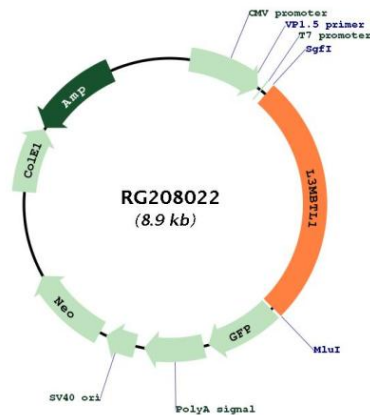
ORF Size: 2316 bp

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_015478.5](#), [NP_056293.4](#)
- RefSeq Size:** 3228 bp
- RefSeq ORF:** 2319 bp
- Locus ID:** 26013
- UniProt ID:** [Q9Y468](#)
- Cytogenetics:** 20q13.12
- Domains:** zf-C2HC, MBT
- 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]

Product images:



Circular map for RG208022