

Product datasheet for **RG206958**

L3MBTL4 (NM_173464) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L3MBTL4 (NM_173464) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	L3MBTL4
Synonyms:	HsT1031
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206958 representing NM_173464
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAACAGCCCAACAGGAAAAGGAAGCTTAATATGGATTCCAAAGAGCGTTTGGATCAGGACGGACGCT
 TGGAGCAAGCTGAAGAGGAAAAGAAGCCCAAGGATAGCACAACCCCTTTGAGTCACGTCCCTTCAGCGGC
 TGCACAGGGAGCATGGTCTTGGGAGTGGTACTTGAAAGAACAGAAGGCTGTCGCAGCACCTGTTGAGCTG
 TTTTCCAAGGATCAGTCCTTTCCAGAGCATGAAAATGGTTTTTCAGATTGGAATGAGATTAGAAGGCATTG
 ATCCCCGACATCCATCGGTATTCTGTGTCTTTCTGTAGCGGAGGTTTGTGGTTACCGTCTAAGACTTCA
 TTTTGATGGTTATTTAAGTTGCTATGATTTTTGGACCAATGCTGGTCCCTGACATTATCCAGTAGGA
 TGGTGTGAAAAGACCAACATGAACTGCACATCCCTAAGGGTTATAGAAAAGATAAATTTGTTGGATGG
 ATTACTGAAGGCTGCAAATGCAAAATGCTCCAAAGAAATTTTTCAGAAACAGAAGTCTAATGGGCC
 AATGTCTAAAGAAATTTTCAGTTGGAATGAAGCTGGAGGCCGTGGACAGGAAGAACCCTTCTTGGTGTGT
 GTGGCGCCATAGCAGATATTGTTGAAGATCGCTTACTAGTGCATTTTGCAACTGGGATGATAGTTACG
 ATTACTGGTGCATGTTAATAGCCCTTATGTCCAGCCAGTTGGTTGGTGTGAGGAGAATGGAAGAACTCT
 GATAGCACCCCAAGGTTATCCCAATCCAGAAAATTTTTCTGGACAGAATACCTGGAAGCTACTCAAACC
 AATGCAGTTCTGCCAAAGTTTTTAAAAATGAGGTTGCCTCATGGTTTTCTGCCAAATATGAAACTTGAAG
 TTGTGGATAAACGGAACCCAGGTTAATTCGTGTTGCTACGATTGTAGATGTTGATGACCAAGAGTAAA
 GGTTCATTTTGATGGTTGGGACCATAAGTATGACTACTGGGTGGAGGCAGACAGCCCTGATATCCACCCG
 ATCGGATGGTGTGATGTACAGGGCATCCACTGGAAGTGCCACAGCGAACGAATGACCTGAAGATCCTTC
 CAGGTCAAGCTGTCTGTCTACTCCCGGTGCCGAGGAATAGGCCATATCCGTGGTCCACGTTATTCGGG
 ACATCACAGTGTCTTTGGCTGCCCGTATTACAGACATGAACTTGAAAAAGGAGGCAACACTTCACGATCGT
 TTGAGAGAACAAACACAGGCAAATTTGGAATCAGACTTTCACATTCAAATCAAAGCCCTCTGTAGTT
 TGAACTTCAATGGAACATGAAAAGGTGAACAGTCAAGCCAGACTTGTACAGCAGGCAAAGTGTGTTGAA
 AATCAAAGGAAAAGAAGATATTGACTTGGATAATCTCTCAGAGTGTGTTGCTGCATCCAGAGGTTTG
 GAATACTCGTGGAGCAGGCGCAGCAGGTGCTTACCAGTCAAGTGTCCATGTCCACGGTGTGAGCCACC
 CTTTTCGGACCTTCCCCTCGGCAGGGAGCAACTGCAAGTTGCTTCCAGGCGTGGCTGACATCCGGGC
 CAGCCAAGTGGCAGTGGACTGTGGATGAGGTGGCTGAGTTGTACAGTCTTCTGGGCTGTGAAGAG
 CATGCCAAGTGTCTTAAGAAAGAGCAGATCGATGGCAAAGCCTTCTGCTTCTGACACAGACGGACATTG
 TCAAAGTGATGAAGATCAAAGTGGGCCAGCACTGAAGATTTACAACCTATCCTGATGTTCAAGCATT
 CCAGGAAGTCCCTGAAGAAGATATTGCCTCAGGCCAAGAAGTCAAGGGGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG206958 representing NM_173464
 Red=Cloning site Green=Tags(s)

MKQPNRKRKLNMDSKERLDQDGRLEQAEKPKDSTTPLSHVPSAAAQGAWSWEWYLKEQKAVAAPVEL
 FSKDQSFPEHENGFIQMRLEGIDPRHPSVFCVLSVAEVCYRLRLHFDGYLSCYDFWTNAGSPDIHPVG
 WCEKTKHELHHPKGYRKDFVWMDYLLKACKLQNAKPKLFRNRSPNGPMSKEFQVGMKLEAVDRKNPSLVC
 VATIADIVEDRLLVHFDNWDDSYDYWCDVNSPYVQVPGWCQENGRTLIAPQGYNPENFSWTEYLEATQT
 NAVPAKVFKMRLPHGFLPNMKLEVVDKRNPRIRVATIVDQVQVDFGWDHKYDYWVEADSPDIHP
 IGWCDVTGHPLEVPQRTNDLKILPGQAVCPPTGCRGIGHIRGPRYSGHHSFAGCPYSMDNLKKEATLHDR
 LREQTQANLESDSSHSKSLCSLNFNGKHEKVNQPRLLVQAKCLKIKGKEDIDLNLFRVLVHPRGL
 EYSVEQAQQVLHQSYSMSTVSAHPFRDLPLGREQHCKLLPGVADIRASQVARWTVDEVAEFVQSLLGCEE
 HAKCFKKEQIDGKAFLLLTQTDIVKVMKIKLGPALKIYNSILMFRHSQELPEEDIASGQEVRG

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_173464

ORF Size: 1869 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).

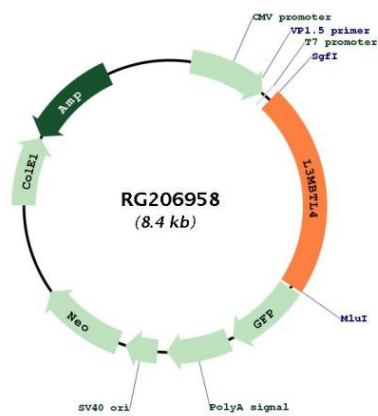
Reconstitution Method:

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_173464.3](#), [NP_775735.2](#)

RefSeq Size:	3604 bp
RefSeq ORF:	1872 bp
Locus ID:	91133
UniProt ID:	Q8NA19
Cytogenetics:	18p11.31
Protein Families:	Transcription Factors
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 RG206958