

## Product datasheet for **MG210974**

### **L3mbtl3 (BC082309) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	L3mbtl3 (BC082309) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	L3mbtl3
Synonyms:	AI481284; MBT-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG210974 representing BC082309  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACTGAATCTGCATCTAGCACAAAGTGGTCAAGAGTTTGTGTGTTAGTGTATGGACTGGAAGGATG  
 GCGTTGGTACCCTACCAGGGAGTGATTTAAAGTTTCGAGTAAATGAGTTTGGAGCTTTGGAAGTTATCAC  
 AGACGAAAGCGAGATGGAAGTGTAAAGAAAGCTACAGCCACTACCACATGGATGGTCCCAACTGCTCAA  
 GACGTCTTTTCAGAGAAGACTGGGGTACCCTTCAGGCTGAAGGAGCAATCAAAGCAGACGGGCTTCAGT  
 TTTGTGAGAACTGTTGTCAGTATGGCAACGGAGATGAATGTCTTTCCGGGAGGAAAGTATTGCAGCCAGAA  
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 AAGACCGGGGATTCGCCGTCTTAAAGCAAGGCTTGCCTCTAAAGGCAAGAAGACCTGGTGTGGGCT  
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 TCATTCAGAGCTTGCCTGGTGTGAAGAACATGGAAGGTGTTAAGGATGAACAATTTGATGGAGAAGC  
 ATTTTTACTCATGACCCAAACAGACATTGTTAAAATCATGAGCATTAAAGCTGGGCCAGCTCTAAAATT  
 TTCAACTTATTCTGATGTTCAAAGCTGCGGAGAAGAATCCACAATGAACTG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:** >MG210974 representing BC082309  
 Red=Cloning site Green=Tags(s)

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MTESASSTSGQEFDFVFSVMDWKDGVGTLPGSDLKFRVNEFGALEVITDESEMESVKKATATTTWMVPTAQ
DVFSEKTGVPPFRLKEQSKADGLQFCENCCQYGNNGDECLSGGKYCSQNCARHAKDKDQKDERDGGEDNDEE
DPKCSRKKKPKLSLKADSKDDGEERDDMENKQDGRILRGSQRARRKRRGDSAVLKQGLPPKGKKTWCWA
SYLEEEKAVAVPTKLFKEHQSFPPYKNGFKVGMKLEGVDPDQAMCYCVLTVAEVCYRIKLFHFDGYSDCY
DFWVNADALDIHPVGWCEKTGHKLRPPKGYKEEFNWQSYLKTCKAQAAPKSLFENQITVIPSQFVGM
KLEAADKKSPSVICVATVTDVMDNRFLVHFDNWDESVDYWCESNSPHIHPVGWCKEHRRTLITPPGYSHV
KHFSWDKYLEETNSLPAPARAFKVKPPHGFQKKMKLEAVDKRNPLFIRVATVADTDDHRIKVFHDGWSSC
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SEINLSKERIFPDRLSGDTSPTTSPFPRSKRMDTRESSSSPETREKHANNFKEDSEKKKENEVKTSAEA
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APQAQQAQPPQQAQPPVQPPQVQQAQPTQQAQTQQAQRRSAVFLSFKPPIPCPLRWEQQSK
LLPTVAGIPASRVSKWSTDEVSEFIQSLPGCEEHGKVFKDEQIDGEAFLMTQTDIVKIMSIKLGPALKI
FNSILMFKAAEKNSHNEL
  
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TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



<b>ACCN:</b>	BC082309
<b>ORF Size:</b>	2576 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC082309</a> , <a href="#">AAH82309</a>
<b>RefSeq Size:</b>	4280 bp
<b>RefSeq ORF:</b>	2576 bp
<b>Locus ID:</b>	237339
<b>Cytogenetics:</b>	10 A4
<b>Gene Summary:</b>	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). Required for normal maturation of myeloid progenitor cells. [UniProtKB/Swiss-Prot Function]