

Product datasheet for **MG225099**

Lmo2 (NM_001142335) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lmo2 (NM_001142335) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lmo2
Synonyms:	Rbtn-2; Rbtn2; Rhom-2; Ttg2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225099 representing NM_001142335 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGGGAGCGCGGTGACTGTCCTTGAGCGTGGAGGGGCGAGCTCGCCAGCGGAGCGACCGAGCAAGA
GGAGGCGCAGGAGCGGCGGCCCGAGCACCCGAGGGGTCCGAGTCCAGGCAGCTAGCCAGCCACGCGC
CACAAAGGGAGCGCCCCCGCCGGCACGCCGCCCCCTCCCCAATGTCCTCGCCATCGAAAGGAAG
AGCCTGGACCCGTCTGAGGAACCGTGGATGAGGTGCTGCAGATACCCCATCCCTGCTGACATGTGGT
GCTGCCAGCAGAACATAGGGGACCGCTACTTCTGAAAGCCATCGACCAGTACTGGCATGAGGATTGCCT
CAGCTGTGACCTCTGTGGGTGTCGGCTGGGAGAGGTGGGAGGCGCCTCTACTACAAGCTGGGACGGAAA
TTGTGCAGGAGAGACTATCTCAGGCTTTTTGGTCAGGATGGTCTCTGTGCATCCTGTGACAAGCGGATCC
GTGCTATGAGATGACGATGCGGGTAAAAGACAAAGTGTATCACCTGGAGTGTTCAAATGCGCCGCTG
TCAGAAGCATTCTGTGTAGGTGACAGATACCTTCTCATCAACTCCGACATAGTGTGTGAACAAGACATC
TACGAGTGGACCAAGATCAATGGGATCATC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225099 representing NM_001142335
 Red=Cloning site Green=Tags(s)

MEGSAVTVLERGGASSPAERPSKRRRRSSGGARAPEGVRVQAAASQPRATKGAPPPPGTPPPSPMSSAIERK
 SLDPSEEPVDEVLQIPPSLLTCGGCQQNIGDRYFLKAIDQYWHEDCLSCDLGCGRLGEVGRRLYYKLGRK
 LCRRDYLRFLFGQDGLCASCDKRI RAYEMTRVVKDKVYHLECFKCAACQKHFCVGDYRLLINSDIVCEQDI
 YEWTKINGII

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001142335

ORF Size: 660 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_001142335.1](#), [NP_001135807.1](#)

RefSeq Size: 1519 bp

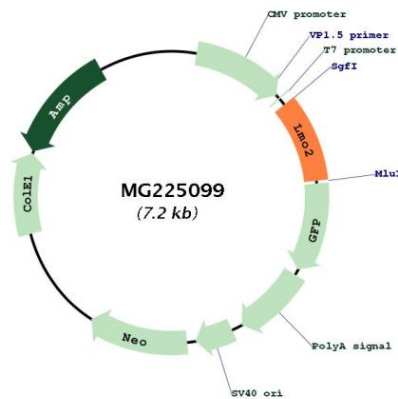
RefSeq ORF: 663 bp

Locus ID: 16909

Cytogenetics: 2 54.46 cM

Gene Summary: Acts with TAL1/SCL to regulate red blood cell development. Also acts with LDB1 to maintain erythroid precursors in an immature state.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG225099