

## Product datasheet for **MR225099**

### Lmo2 (NM\_001142335) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lmo2 (NM\_001142335) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Lmo2  
**Synonyms:** Rbtn-2; Rbtn2; Rhom-2; Ttg2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR225099 representing NM\_001142335  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGGGAGCGCGGTGACTGTCCTTGAGCGTGGAGGGGCGAGCTCGCCAGCGGAGCGACCGAGCAAGA  
GGAGGCGCAGGAGCGGCGGCCCGAGCACCCGAGGGGTCCGAGTCCAGGCAGCTAGCCAGCCACGCGC  
CACAAAGGGAGCGCCCCGCGCCGGCACGCCGCCCCCTCCCAATGTCTCGCCATCGAAAGGAAG  
AGCCTGGACCCGTCTGAGGAACCGTGGATGAGGTGCTGCAGATACCCCATCCCTGCTGACATGTGGT  
GCTGCCAGCAGAACATAGGGGACCGCTACTTCTGAAAGCCATCGACCAGTACTGGCATGAGGATTGCCT  
CAGCTGTGACCTCTGTGGGTGTCGGCTGGGAGAGGTGGGAGGGCGCCTCTACTACAAGCTGGGACGGAAA  
TTGTGCAGGAGAGACTATCTCAGGCTTTTTGGTCAGGATGGTCTCTGTGCATCCTGTGACAAGCGGATCC  
GTGCCTATGAGATGACGATGCGGGTAAAAGACAAAGTGTATCACCTGGAGTGTTCAAATGCGCCGCTG  
TCAGAAGCATTCTGTGTAGGTGACAGATACCTTCTCATCAACTCCGACATAGTGTGTGAACAAGACATC  
TACGAGTGGACCAAGATCAATGGGATCATC

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR225099 representing NM\_001142335  
 Red=Cloning site Green=Tags(s)

MEGSAVTVLERGGASSPAERPSKRRRRSSGGARAPEGVRVQAASQPRATKGAPPPPGTPPPSPMSSAIERK  
 SLDPSEEPVDEVLQIPPSLLTCGGCQQNIQDRYFLKAIDQYWHEDCLSCDLCGCRLGEVGRRLYYKLGRK  
 LCRRDYLRLFGQDGLCASCDKRIRAYEMTRVVKDKVYHLECFKCAACQKHFCVGDYRLLINSDIVCEQDI  
 YEWTKINGII

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**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

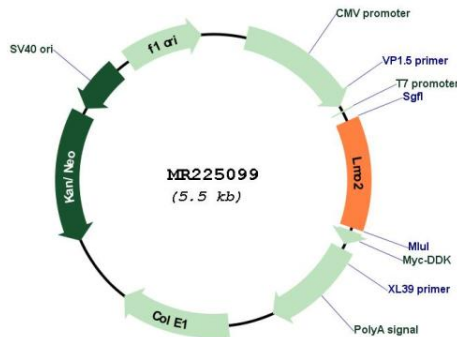
**Locus ID:** 16909

**Cytogenetics:** 2 54.46 cM

**MW:** 25 kDa

**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 MR225099