

Product datasheet for **MR224680**

Lmo2 (NM_001142337) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lmo2 (NM_001142337) 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: >MR224680 representing NM_001142337
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCTCGGCCATCGAAAGGAAGAGCCTGGACCCGTCTGAGGAACCCGTGGATGAGGTGCTGCAGATAC
 CCCCATCCCTGCTGACATGTGGTGGCTGCCAGCAGAACATAGGGGACCGCTACTTCTGAAAGCCATCGA
 CCAGTACTGGCATGAGGATTGCCTCAGCTGTGACCTCTGTGGGTGTCGGTGGGAGAGGTGGGAGGCGC
 CTCTACTACAAGCTGGGACGAAATTGTGCAGGAGAGACTATCTCAGGCTTTTGGTCAGGATGGTCTCT
 GTGCATCCTGTGACAAGCGGATCCGTGCCTATGAGATGACGATGCGGGTAAAAGACAAAGTATCACCT
 GGAGTGTTCAAATGCGCCGCTGTGAGAAGCATTCTGTGTAGGTGACAGATACCTTCTCATCAACTCC
 GACATAGTGTGTGAACAAGACATCTACGAGTGGACCAAGATCAATGGGATCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224680 representing NM_001142337
 Red=Cloning site Green=Tags(s)

MSSAIERKSLDPSEEPVDEVLQIPPSLLTCGGCQNIQDRYFLKAIDQYWHEDCLSCDLGCRLGEVGRR
 LYYKLRKLCRRDYLRLFGQDGLCASCDKRIRAYEMTMRVKDKVYHLECFKCAACQKHFVCGDRYLLINS
 DIVCEQDIYEWTKINGII

TRTRPLEQK**L**ISEEDLAANDILDYKDDDDK**V**

Chromatograms: https://cdn.origene.com/chromatograms/mm9033_d10.zip



[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001142337

ORF Size: 474 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_001142337.1](#), [NP_001135809.1](#)

RefSeq Size: 1529 bp

RefSeq ORF: 477 bp

Locus ID: 16909

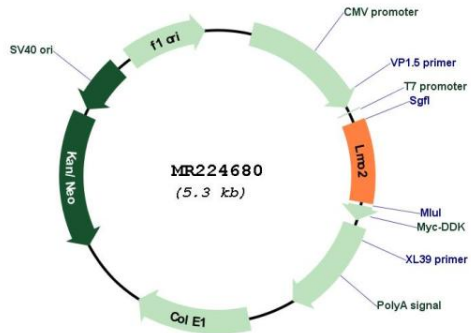
UniProt ID: [P25801](#)

Cytogenetics: 2 54.46 cM

MW: 18.8 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 MR224680