

## Product datasheet for **MG223465**

### Lmo2 (NM\_008505) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lmo2 (NM\_008505) 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:** >MG223465 representing NM\_008505  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCCTCGGCCATCGAAAGGAAGAGCCTGGACCCGTCTGAGGAACCCGTGGATGAGGTGCTGCAGATAC  
 CCCCATCCCTGCTGACATGTGGTGGCTGCCAGCAGAACATAGGGGACCGCTACTTCTGAAAGCCATCGA  
 CCAGTACTGGCATGAGGATTGCCTCAGCTGTGACCTCTGTGGGTGTCGGCTGGGAGAGGTGGGAGGCGC  
 CTCTACTACAAGCTGGGACGAAATTGTGCAGGAGAGACTATCTCAGGCTTTTTGGTCAGGATGGTCTCT  
 GTGCATCCTGTGACAAGCGGATCCGTGCCTATGAGATGACGATGCGGGTAAAAGACAAAGTGTATCACCT  
 GGAGTGTTCAAATGCGCCGCTGTGAGAAGCATTCTGTGTAGGTGACAGATACCTTCTCATCAACTCC  
 GACATAGTGTGTGAACAAGACATCTACGAGTGGACCAAGATCAATGGGATCATC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG223465 representing NM\_008505  
 Red=Cloning site Green=Tags(s)

MSSAIERKSLDPSEEPVDEVLQIPPSLLTCGGCQNIQDRYFLKAIDQYWHEDECLSCDLGCRLGEVGRR  
 LYYKLGRLCRRDYLRLFGQDGLCASCDKRIRAYEMTMRVKDKVYHLECFKCAACQKHFCVGDYRLLINS  
 DIVCEQDIYEWTKINGII

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_008505

**ORF Size:** 684 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\\_008505.3](#)

**RefSeq Size:** 1646 bp

**RefSeq ORF:** 687 bp

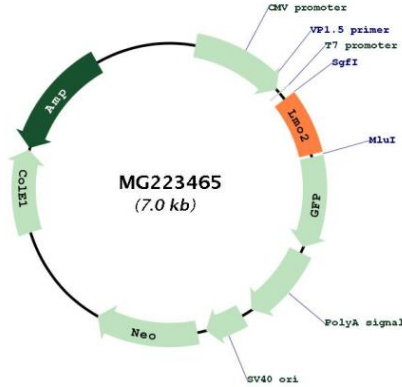
**Locus ID:** 16909

**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 MG223465