

Product datasheet for **MC208891**

Lmo2 (NM_001142337) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lmo2 (NM_001142337) Mouse Untagged Clone
Tag: Tag Free
Symbol: Lmo2
Synonyms: Rbtn-2; Rbtn2; Rhom-2; Ttg2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208891 representing NM_001142337
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCCTCGGCCATCGAAAGGAAGAGCCTGGACCCGTCTGAGGAACCCGTGGATGAGGTGCTGCAGATAC
CCCCATCCCTGCTGACATGTGGTGGCTGCCAGCAGAACATAGGGGACCGCTACTTCTGAAAGCCATCGA
CCAGTACTGGCATGAGGATTGCCTCAGCTGTGACCTCTGTGGGTGTCGGCTGGGAGAGGTGGGAGGCGC
CTCTACTACAAGCTGGGACGAAATTGTGCAGGAGAGACTATCTCAGGCTTTTGGTCAGGATGGTCTCT
GTGCATCCTGTGACAAGCGGATCCGTGCCTATGAGATGACGATGCGGGTAAAGACAAAGTGATACCT
GGAGTGTTCAAATGCGCCGCTGTCAGAAGCATTCTGTGTAGGTGACAGATACCTTCTCATCAACTCC
GACATAGTGTGTGAACAAGACATCTACGAGTGGACCAAGATCAATGGGATCATCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001142337
Insert Size: 477 bp
OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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| 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: | <ol style="list-style-type: none">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: | <u>NM_001142337.1, NP_001135809.1</u> |
| RefSeq Size: | 1529 bp |
| RefSeq ORF: | 477 bp |
| Locus ID: | 16909 |
| UniProt ID: | <u>P25801</u> |
| 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] Transcript Variant: This variant (4) differs in the 5' UTR and 5' coding region, compared to variant 1. These differences cause translation initiation at an in-frame downstream ATG and an isoform (3) with a shorter N-terminus, compared to isoform 1. Variants 3 and 4 encode the same isoform (3). |