

## Product datasheet for **SC330832**

### LMO1 (NM\_001270428) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LMO1 (NM\_001270428) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** LMO1  
**Synonyms:** RBTN1; RHOM1; TTG1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330832 representing NM\_001270428.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGTGTTGGACCAGGAGGACGGCGTGCCGATGCTCTCCGTCCAGCCAAAGGGAAGCAGAAGGGCTGT  
GCGGGCTGTAACCGCAAGATCAAGGACCGCTATCTGCTGAAGGCATTGGACAAGTACTGGCAGCAAGAC  
TGCCTCAAGTGTGCCTGCTGTGACTGCCGCTGGGCGAGGTGGGCTCCACCCTCTACACCAAGGCCAAC  
CTCATCTGTGCCGACGCGACTACCTGAGGCTCTTTGGCACCACAGGGAAGTGTGCTGCTGCAGCAAG  
CTGATCCCAGCCTTCGAGATGGTGATGCGGGCCCGGGACAACGTGTATCACCTCGACTGCTTCGCCTGC  
CAGCTCTGCAACCAGAGATTTTGTGTGGGAGACAAATTCTCCTGAAGAACAACATGATCTGTGTCAG  
ATGGACTATGAGGAAGGGCAGCTCAATGGCACCTTTGAATCCCAAGTTCAGTAA
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001270428  
**Insert Size:** 468 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).  
**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).



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<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001270428.1</a>
<b>RefSeq Size:</b>	983 bp
<b>RefSeq ORF:</b>	468 bp
<b>Locus ID:</b>	4004
<b>UniProt ID:</b>	<a href="#">P25800</a>
<b>Cytogenetics:</b>	11p15.4
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>MW:</b>	17.7 kDa
<b>Gene Summary:</b>	<p>This locus encodes a transcriptional regulator that contains two cysteine-rich LIM domains but lacks a DNA-binding domain. LIM domains may play a role in protein interactions; thus the encoded protein may regulate transcription by competitively binding to specific DNA-binding transcription factors. Alterations at this locus have been associated with acute lymphoblastic T-cell leukemia. Chromosomal rearrangements have been observed between this locus and at least two loci, the delta subunit of the T-cell antigen receptor gene and the LIM domain binding 1 gene. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2012]</p> <p>Transcript Variant: This variant (2) contains an alternate 5' terminal exon and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (b) has a distinct N-terminus and is shorter than isoform a.</p>