

Product datasheet for **SC303178**

LMO1 (NM_002315) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LMO1 (NM_002315) Human Untagged Clone
Tag:	Tag Free
Symbol:	LMO1
Synonyms:	RBTN1; RHOM1; TTG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303178 representing NM_002315. Blue=Insert sequence Red=Cloning site Green=Tag(s)

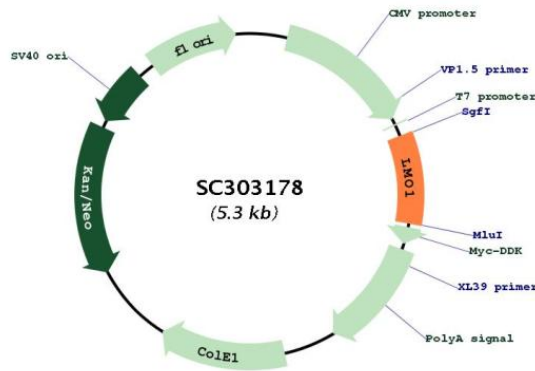
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGGTGTGGACAAGGAGGACGGCGTGCCGATGCTCTCCGTCCAGCCAAAGGGAAGCAGAAGGGC
TGTGCGGGCTGTAACCGCAAGATCAAGGACCGCTATCTGCTGAAGGCATTGGACAAGTACTGGCAGAA
GACTGCCTCAAGTGTGCCTGCTGTGACTGCCGCTGGGCGAGGTGGCTCCACCTCTACACCAAGGCC
AACCTCATCCTGTGCCGACGCGACTACCTGAGGCTCTTTGGCACCACAGGGAACGTGCTGCTTGCAGC
AAGCTGATCCCAGCCTTCGAGATGGTATGCGGGCCCGGACAACGTGTATCACCTCGACTGCTTCGCC
TGCCAGCTCTGCAACCAGAGATTTGTGTGGGAGACAAATCTTCTGAAGAACAACATGATCTTGTGT
CAGATGGACTATGAGGAAGGGCAGCTCAATGGCACCTTTGAATCCAAGTTCAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN:	NM_002315
Insert Size:	471 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_002315.2](#)

RefSeq Size: 1315 bp

RefSeq ORF: 471 bp

Locus ID: 4004

UniProt ID: [P25800](#)

Cytogenetics: 11p15.4

Protein Families: Druggable Genome, Transcription Factors

MW: 17.8 kDa

Gene Summary: 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]

Transcript Variant: This variant (1) encodes the longer isoform (a).