

Product datasheet for RC210233

LMO1 (NM_002315) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LMO1 (NM_002315) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LMO1
Synonyms: RBTN1; RHOM1; TTG1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC210233 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGTGTGGACAAGGAGGACGGCGTGCCGATGCTCTCCGTCAGCCCAAAGGGAAGCAGAAGGGCT
GTGCGGGCTGTAACCGCAAGATCAAGGACCGCTATCTGCTGAAGGCATTGGACAAGTACTGGCACGAAGA
CTGCCTCAAGTGTGCTGCTGTGACTGCCGCTGGGCGAGGTGGGCTCCACCCTCTACACCAAGGCCAAC
CTCATCTGTGCCGACGCGACTACCTGAGGCTCTTTGGCACCACAGGGAAGTGTGCTGCTGCAGCAAGC
TGATCCCAGCCTTCGAGATGGTGTGCGGGCCCGGACAACGTGTATCACCTCGACTGCTTCGCCTGCCA
GCTCTGCAACCAGAGATTTTGTGTGGGAGACAAATCTTCTGAAGAACAACATGATCTTGTGTCAGATG
GACTATGAGGAAGGGCAGCTCAATGGCACCTTTGAATCCCAAGTTCAG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC210233 protein sequence
Red=Cloning site Green=Tags(s)

MMVLDKEDGVPMLSVQPKGKQKGCAGCNRKIKDRYLLKALDKYWHEDECLKACCCDRLGEVGSSTLYTKAN
LILCRRDYLRFLGTTGNCAACSKLIPAFEMVMRARDNVYHLDCFACQLCNQRFVCGDKFFLKNMILCQM
DYEEGQLNGTFESQVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

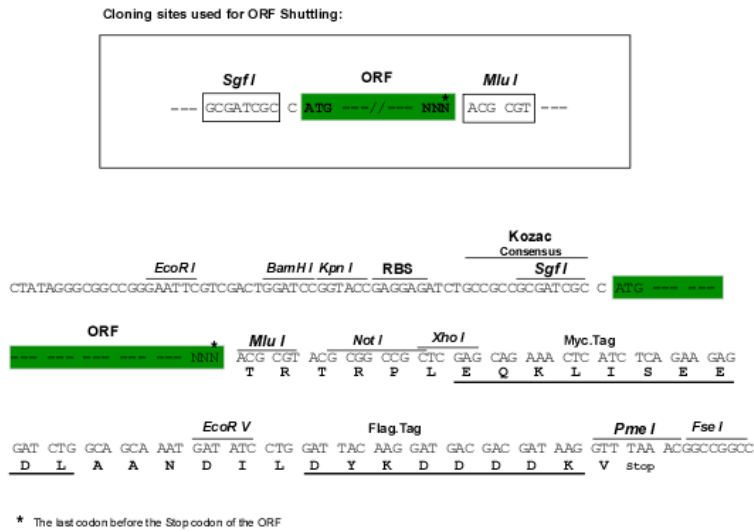
Chromatograms: https://cdn.origene.com/chromatograms/mk6376_f02.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_002315

ORF Size: 468 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_002315.3](#)

RefSeq Size: 1315 bp

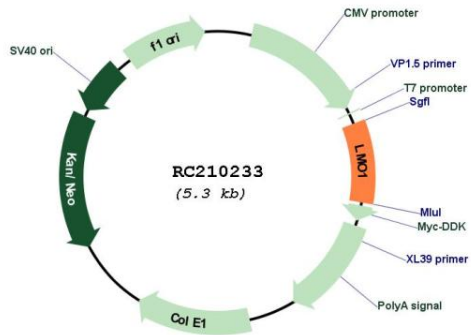
RefSeq ORF: 471 bp

Locus ID: 4004

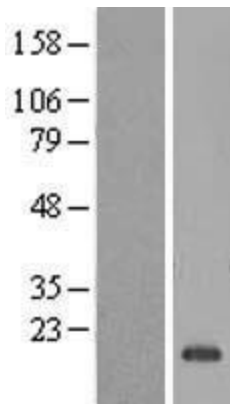
UniProt ID: [P25800](#)
Cytogenetics: 11p15.4
Protein Families: Druggable Genome, Transcription Factors
MW: 17.8 kDa
Gene Summary:

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]

Product images:



Circular map for RC210233



Western blot validation of overexpression lysate (Cat# [LY419398]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210233 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).