

Product datasheet for **RC203914**

LMO4 (NM_006769) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: LMO4 (NM_006769) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: LMO4
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RC203914 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGAATCCGGGCAGCAGCTCGCAGCCGCCCGGTGACGGCCGGCTCCCTCTCCTGGAAGCGGTGCG
 CAGGCTGCGGGGCAAGATTGCGGACCGCTTCTGCTCTATGCCATGGACAGCTATTGGCACAGCCGGTG
 CCTCAAGTGCTCCTGCTGCCAGGCGCAGCTGGGCGACATCGGCACGTCTGTTACACCAAAGTGGCATG
 ATCCTTTGCAGAAATGACTACATTAGGTTATTTGAAAATAGCGGTGCTTGACGCGCTTGCCGACAGTCGA
 TTCTCTGCGAGTGAACCTCGTCATGAGGGCGCAAGCAATGTGTATCATCTTAAGTGTTTACATGCTCTAC
 CTGCCGGAATCGCCTGGTCCCGGAGATCGGTTTCACTACATCAATGGCAGTTTATTTGTGAACATGAT
 AGACCTACAGCTCTCATCAATGGCCATTTGAATCACTTCAGAGCAATCCACTACTGCCAGACCAGAAGG
 TCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC203914 protein sequence
 Red=Cloning site Green=Tags(s)

MVNPGSSSQPPPVTAGSLSWKRCAGCGGKIADRFLLYAMDSYWHSRCLKSCCQAQLGDIGTSCYTKSGM
 ILCRN DYIRLFGNSGACSACQSIPASELVMRAQGNVYHLKCFCTCSTCRNRLVPGDRFHYINGSLFCEHD
 RPTALINGHLNSLQSNPLLPDQKVC

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Chromatograms: https://cdn.origene.com/chromatograms/mk6125_d09.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_006769

ORF Size: 495 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_006769.4](#)

RefSeq Size: 5415 bp

RefSeq ORF: 498 bp

Locus ID: 8543

UniProt ID: [P61968](#)

Cytogenetics: 1p22.3

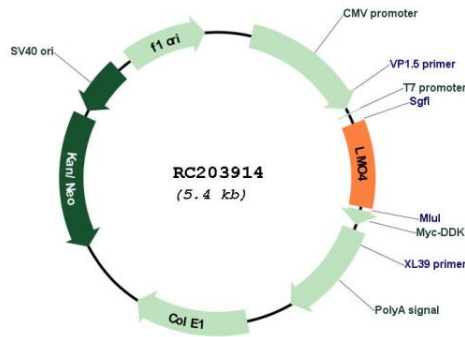
Domains: LIM

Protein Families: Transcription Factors

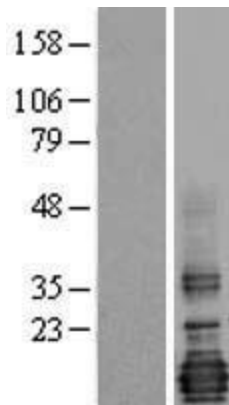
MW: 18 kDa

Gene Summary: This gene encodes a cysteine-rich protein that contains two LIM domains but lacks a DNA-binding homeodomain. The encoded protein may play a role as a transcriptional regulator or as an oncogene. [provided by RefSeq, Aug 2008]

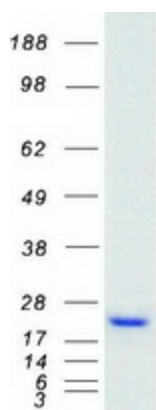
Product images:



Circular map for RC203914



Western blot validation of overexpression lysate (Cat# [LY402024]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203914 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LMO4 protein (Cat# [TP303914]). The protein was produced from HEK293T cells transfected with LMO4 cDNA clone (Cat# RC203914) using MegaTran 2.0 (Cat# [TT210002]).