

## Product datasheet for **RG203914**

### LMO4 (NM\_006769) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LMO4 (NM\_006769) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** LMO4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG203914 representing NM\_006769  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGGTGAATCCGGGCAGCAGCTCGCAGCCGCCCGGTGACGGCCGGCTCCCTCTCCTGGAAGCGGTGCG  
 CAGGCTGCGGGGCAAGATTGCGGACCGCTTCTGCTCTATGCCATGGACAGCTATTGGCACAGCCGGTG  
 CCTCAAGTGCTCCTGCTGCCAGGCGCAGCTGGGCGACATCGGCACGTCTGTTACACCAAAGTGGCATG  
 ATCCTTTGCAGAAATGACTACATTAGGTTATTTGGAAATAGCGGTGCTTGACGCGCTTGGGACAGTCTG  
 TTCTCGCAGTGAAGTCTGTCATGAGGGCGCAAGGCAATGTGTATCATCTTAAGTGTTTTACATGCTCTAC  
 CTGCCGGAATCGCCTGGTCCCGGAGATCGGTTTCACTACATCAATGGCAGTTTATTTGTGAACATGAT  
 AGACCTACAGCTCTCATCAATGGCCATTTGAATCACTTCAGAGCAATCCACTACTGCCAGACCAGAAGG  
 TCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG203914 representing NM\_006769  
Red=Cloning site Green=Tags(s)

MVNPSSSQPPPVTAGSLSWKRCAGCGGKIADRFLLYAMDSYWHSRCLKCSCCQAQLGDIQTSCYTKSGM  
 ILCRNDYIRLFGNSGACSACGQSIPASELVMRAQGNVYHLKCFCTCSTCRNRLVPGDRFHYINGSLFCEHD  
 RPTALINGHLNSLQSNPLLPDQKVC

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul



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**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](#)

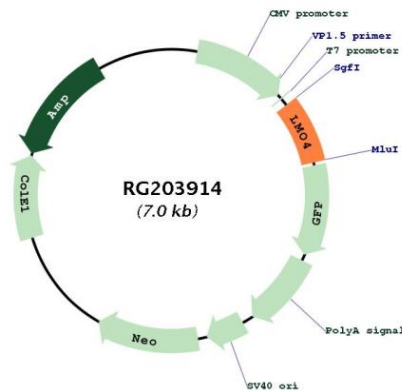
**RefSeq Size:** 2126 bp

**RefSeq ORF:** 498 bp

**Locus ID:** 8543

UniProt ID: [P61968](#)  
 Cytogenetics: 1p22.3  
 Domains: LIM  
 Protein Families: Transcription Factors  
 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 RG203914