

Product datasheet for **RC231820**

LIM domain only 3 (LMO3) (NM_001243609) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIM domain only 3 (LMO3) (NM_001243609) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LIM domain only 3
Synonyms:	RBTN3; RBTNL2; Rhom-3; RHOM3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC231820 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC CGGATCGCC ATGCTCTCAGTCCAGCCAGACACCAAGCCGAAAGGTTGTGCTGGCTGCAACCGAAAGATCAAGGACCGGT ATCTTCTAAAGGCACTGGACAAATACTGGCATGAAGACTGCCTGAAGTGTGCCTGCTGTGACTGTCGCTT GGGAGAGGTGGGCTCCACCCTGTACACTAAAGCTAATCTTATCCTTTGTCGCAGAGACTATCTGAGGCTC TTTGGTGAACGGGAACTGCGCTGCCTGTAGTAAGCTCATCCCTGCCTTTGAGATGGTGTGCGTGCCA AGGACAATGTTTACCACCTGGACTGCTTTGCATGTCAGCTTTGTAATCAGAGATTTTGTGTTGGAGACAA ATTTTTCTAAAGAATAACATGATCCTTTGCCAGACGGACTACGAGGAAGGTTTAAATGAAAGAAGGTTAT GCACCCAGGTTTCG ACGCGT ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA >RC231820 protein sequence Red=Cloning site Green=Tags(s) MLSVQPDTPKPGCAGCNRIKDRYLLKALDKYWHEDCLKACCDRLGEVSTLYTKANLILCRRDYLRRL FGVTGNCAACSKLIPAFEMVMRAKDNVYHLDCFACQLCNQRFVGDKFFLKNMILCQTDYEEGLMKEGY APQVR TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6455_e10.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001243609

ORF Size: 435 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_001243609.1](#), [NP_001230538.1](#)

RefSeq Size: 3659 bp

RefSeq ORF: 438 bp

Locus ID: 55885

UniProt ID: [Q8TAP4](#)

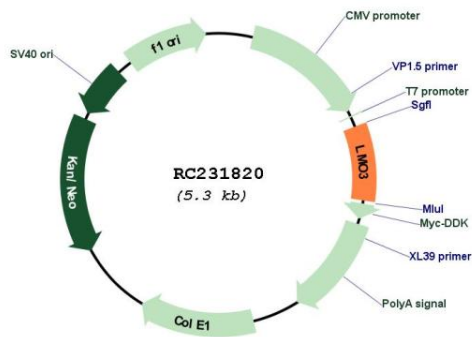
Cytogenetics: 12p12.3

Protein Families: Transcription Factors

MW: 16.6 kDa

Gene Summary: The protein encoded by this gene belongs to the rhombotin family of cysteine-rich LIM domain oncogenes. This gene is predominantly expressed in the brain. Related family members, LMO1 and LMO2 on chromosome 11, have been reported to be involved in chromosomal translocations in T-cell leukemia. Many alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC231820