

Product datasheet for RC231916

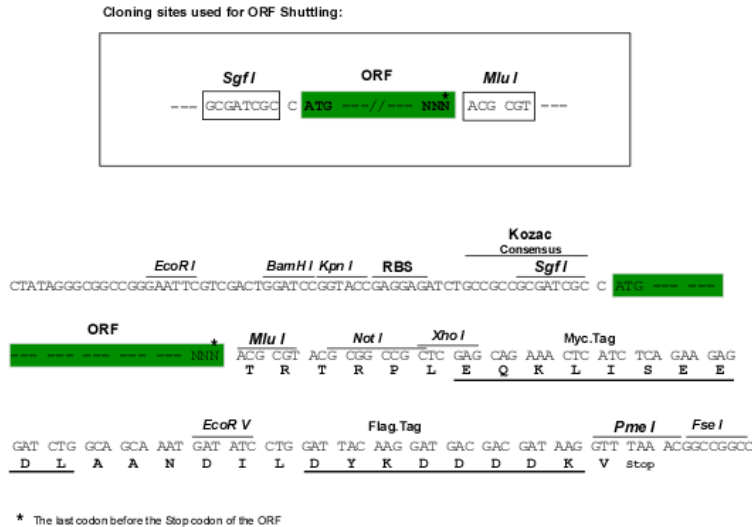
LIM domain only 3 (LMO3) (NM_001243612) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIM domain only 3 (LMO3) (NM_001243612) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LIM domain only 3
Synonyms:	RBTN3; RBTN2; Rhom-3; RHOM3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<p>>RC231916 representing NM_001243612 Red=Cloning site Blue=ORF Green=Tags(s)</p> <p>TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC</p> <p>ATGTTGATGGAAGGAGGGAGAGCGGCTGCGGCGGGAACGTCTCAAGTATACAAATGCTCTCAGTCCAGC CAGACACCAAGCCGAAAGGTTGTGCTGGCTGCAACCGAAAGATCAAGGACCGGTATCTTCTAAAGGCACT GGACAAATACTGGCATGAAGACTGCCTGAAGTGTGCTGCTGTGACTGTCGCTTGGGAGAGGTGGGCTCC ACCCTGTACACTAAAGCTAATCTTATCCTTTGTCGAGAGACTATCTGAGGCTCTTGGTGAACGGGAA ACTGCGCTGCCTGTAGTAAGCTCATCCCTGCCTTTGAGATGGTGTGCGTCCAAGGACAATGTTTACCA CCTGGACTGCTTTGCATGTCAGCTTTGTAATCAGAGATTTTGTGTTGGAGACAAATTTTCTAAAGAAT AACATGATCCTTTGCCAGACGGACTACGAGGAAGGTTAATGAAAGAAGTTATGCACCCAGGTTCCG</p> <p>ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA</p>
Protein Sequence:	<p>>RC231916 representing NM_001243612 Red=Cloning site Green=Tags(s)</p> <p>MLMEGGRAAAARNVSSIQMLSVQPDTPKPKGCAGCNRKIKDRYLLKALDKYWHEDCLKCACDCRLGEVGS TLYTKANLILCRRDYLRFLFVGTGNCAACSKLIPAFEMVMRAKDNYVHLDCAFQLCNQRFCVGDKFFLKN NMILCQTDYEGLMKEGYAPQVR</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Restriction Sites:	Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001243612

ORF Size: 489 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_001243612.1](#), [NP_001230541.1](#)

RefSeq Size: 3516 bp

RefSeq ORF: 492 bp

Locus ID: 55885

UniProt ID: [Q8TAP4](#)

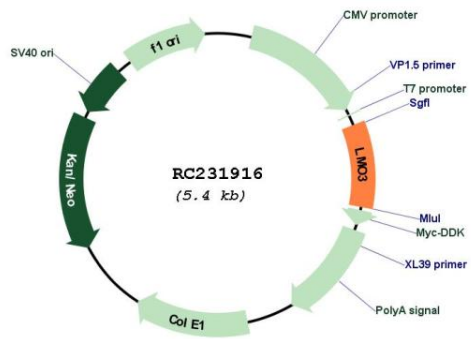
Cytogenetics: 12p12.3

Protein Families: Transcription Factors

MW: 18.9 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 RC231916