

Product datasheet for **SC113402**

LIM domain only 3 (LMO3) (NM_018640) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIM domain only 3 (LMO3) (NM_018640) Human Untagged Clone
Tag:	Tag Free
Symbol:	LIM domain only 3
Synonyms:	RBTN3; RBTNL2; Rhom-3; RHOM3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018640, the custom clone sequence may differ by one or more nucleotides

```
ATGCTCTCAGTCCAGCCAGACACCAAGCCGAAAGGTTGTGCTGGCTGCAACCGAAAGATCAAGGACCGGT  
ATCTTCTAAAGGCACTGGACAAATACTGGCATGAAGACTGCCTGAAGTGTGCCTGCTGTGACTGTCGCTT  
GGGAGAGGTGGGCTCCACCCTGTACACTAAAGCTAATCTTATCCTTTGTCGCAGAGACTATCTGAGGCTC  
TTTGGTGTAAACGGGAAACTGCGCTGCCTGTAGTAAGCTCATCCCTGCCTTTGAGATGGTGTGCGTGCCA  
AGGACAATGTTTACCACCTGGACTGCTTTCATGTCAGCTTTGTAATCAGAGATTTGTGTTGGAGACAA  
ATTTTTCTAAAGAATAACATGATCCTTTGCCAGACGGACTACGAGGAAGGTTTAATGAAAGAAGGTTAT  
GCACCCAGGTTTCGCTGA
```



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_018640 unedited</p> <pre>ACGACTCACTATAGGCGGCCGCAATTCGCACGAGGCTTCTCTGTGGTCTTGACAAGCGC TGCTGGGCTCCGCCGGCTACTAATAACTGAGTGACCTTTTCTTTGGCTGTATTATGTC TGGCTGGGAAGGATTGCATTTTGCAGCTGAGAGCCGGAGCTTCCTTCAGCTCGGCTCCT CGCAGCTGCTGGGGTAAGTTGTCTTGAACCAGGACGGAGAGACAGCCTCGGACTGCA GTTGCCTAAAAGGAGGACACCTGTGGCTCAGATGCGGTCAACACCATTGCTTGGCGTATC CTTGAGGACCTCATTATTTTAAACTTAAAAAAAATAGACATTCCTCCCCCGTCTTTTT TTTTTTTTCAAACAATGCTTCTTTTTGACCTTTCCAAGGAGAAGCGCTACAAAGCAGC CACTGTGCTTACTGAACGGCCTCCCCCGTATCGCTTAATTGAGAAGGTATACAAATGCTC TCAGTCCAGCCAGACACCAAGCCGAAAGTTGTGCTGGCTGCAACCGAAAGACAAGGACC GGTATCTTCTAAAGGCACTGGACAAATACTGGCATGAAGACTGCCTGAAGTGTGCCTGCT GTGACTGTCGCTTGGGAGAGGTGGGCTCCACCCTGTACACTAAAGCTAATCTTATCCTTT GTCGCAGAGACTATCTGAGGCTCTTTTGGTGTACGGGAAACTGCGCTGCCTGTANTAGCT CATCCCTGCCTTGAATGGGGATGCGGCCAGGACATGTTTACACCTGACTGCTTGTGTCN CTTTGTATCGAGATTTTGTGTGGAACAATTTTCTAAGATACATGATCTTGCCAACGCTCN AGGAGGNTATGAAGGAGTTTGGCCCCGTCCTGACTTCACCTCCCTATAGAAAACACC TCTTCTTTTTTTTTGCTCCTGCATAAATGCCAGGACTTCGATACGTATTGAGGCGTGGT ATGATAAGGA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_018640 unedited</p> <pre>TAGCTTGACCCGCGCCGCATCTATGATCGTTTTTTTTTTTTTTTTTTTGAAGAATCCA GCAGATATTTATTAAGCAAGATGAAAGTAAAATTACAAACACAGGTCAACTTTTAAACTC AGCACTCTGTTGGAGTGGAGGTGCACGGTCCTTCATCATAGGCAGCCTATGCGAGATGCA TCTTAGGAAGGGAGCTTTCGCTGCTCAGAAATCAAAGCTCCATCGGAGGTGCTCCTACTGG AGGCATCAGACAACAAGCTAAATGACGTTAGGGCTACACAACACAAGGGGAAAGTTGAC AACAAATCAGGGGCTTTGAGTAGTCAAGACAATTAGCTTAGTACTTCAGGCCAATAAATG CTACAATTTATGGGCACTTAGCTGTCAAATGGCCTACAGCTGAAACACTATTCTTGTCTT ATTTCCACGATTTTATGGAGATTAACAGATAATCTAAACAGATTAAGGCCTTAATCTTTA ATCCAGGTGAGTACCTTTGTTTCGAGTAAAAAGCATACGAAATAACTCTCATCATACTAT GCAAAAAGAAAAAGCCGCAACCCCTGTCCGGCTTCCGTGGCAAGGATAGTTGAACAAC TTCACGAAGCCGAGAGAAGTTTGTCCCAATTACAAGTCTTTTCGACATATCCCCCACCAC AAGCCACCCAGCTAACCCTAAAAGACATCTGACATAGATCCCGACATCATAATCTTAC ATTCCCCTGCATTCCACGCTATCGTTCATGGGGACCCCTACGGCTGCATCAACAAAACT TTTTCTGATCTCTCCCCCTAATTTCACTTGCCCTGGCTCGCAATTTGGGTATGA CACACTTTTTTCTCTACCATTTGAAGGCTCCAACGCCACAACAACCTTTCCCGCGGC CCCTCAACCCCTTTGAACCCCTCCACACCCN</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_018640
Insert Size:	3460 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_018640.3](#), [NP_061110.2](#)

RefSeq Size: 3727 bp

RefSeq ORF: 438 bp

Locus ID: 55885

UniProt ID: [Q8TAP4](#)

Cytogenetics: 12p12.3

Domains: LIM

Protein Families: Transcription Factors

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]
Transcript Variant: This variant (1) encodes the predominant isoform (1). Variants 1-4 encode the same isoform.