

Product datasheet for **SC320015**

LENG4 (MBOAT7) (NM_024298) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LENG4 (MBOAT7) (NM_024298) Human Untagged Clone
Tag:	Tag Free
Symbol:	LENG4
Synonyms:	BB1; hMBOA-7; LENG4; LPIAT; LPLAT; LRC4; MBOA7; MRT57; OACT7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_024298.2
 TCGAATCCCGTGGCCGGAGCTGCGGCGGCAAGCGGGCTGGGACTGCTCGGCCCTCCTGC
 CCGGCGAGCAGCTCAGACCATGTCGCCTGAAGAATGGACGTATCTAGTGGTTCTTCTTAT
 CTCCATCCCCATCGGCTTCTCTTTAAGAAAGCCGGTCTGGGCTGAAGAGATGGGGAGC
 AGCCGCTGTGGGCTGGGCTCACCTGTTACCTGTGGCCCCACACTTGCATTCTCT
 GGTCACCATCCTCGGGACCTGGGCCCTCATTAGGCCAGCCCTGCTCCTGCCACGCCCT
 GGCTCTGGCCTGGACTTCTCTATCTCTGTTTCCGAGCCCTCAGCCTCCTGGGCT
 GCCCACTCCACGCCCTTACCAATGCCGTCCAGCTGCTGCTGACGCTGAAGCTGGTGAG
 CCTGGCCAGTGAAGTCCAGGACCTGCATCTGGCCAGAGGAAGGAAATGGCCTCAGGCTT
 CAGCAAGGGGCCACCCTGGGGCTGCTGCCGACGTGCCCTCCCTGATGGAGACTCAG
 CTACAGCTACTGTACGTGGGAATCATGACAGGCCGTTCTTCCGCTACCGCACCTACCT
 GGACTGGCTGGAGCAGCCCTTCCCCGGGCGAGTGGCCAGCCTGCGGCCCTGCTGCGCCG
 CGCCTGGCCGGCCCCGCTCTTCCGCTGCTGTTCTGCTCTCTCTCACCTTCCCCGCT
 GGAGGCCGTGCGGAGGACGCCCTTACGCCCGCCGCTGCCCGCCGCTCTTCTACAT
 GATCCCCGTCTTCTTCCGCTTCCGCTGCGCTTCTACGTGGCCTGGATTGCCGCCGAGTG
 CGGCTGCATTGCCGCCGCTTTGGGGCCTACCCGTTGGCCGCCAAAGCCGGGCGGAGG
 CGGCCCAACCCTCCAATGCCACCCCAAGCAGTCCGGAGAAGGCGGCTTCTTGGAGTA
 TGACTATGAGACCATCCGCAACATCGACTGCTACAGCACAGATTTCTGCGTGCGGGTGCG
 CGATGGCATGCGGTACTGGAACATGACGGTGCAGTGGTGGCTGGCGCAGTATATCTACAA
 GAGCGCACCTGCCGTTCTATGTCCTGCGGAGCGCCTGGACCATGCTGCTGAGCGCCTA
 CTGGCACGGCTCCACCCGGGCTACTACCTGAGCTTCTGACCATCCCGCTGTGCCTGGC
 TGCCGAGGGCCGGCTGGAGTCAAGCTGCGGGGCGGCTGAGCCAGGGGGCCAGAAGGC
 CTGGGACTGGGTGCACTGGTTCCTGAAGATGCGCGCCTATGACTACATGTGCATGGGCTT
 CGTCTGCTCTCCTTGGCCGACACCCTTCGGTACTGGGCCTCCATCTACTTCTGTATCCA
 TTCTCTGGCCCTGGCAGCCCTGGGGCTGGGCTGCTTTAGTGGGGGCAGCCCCAGCCG
 GCGGAAGGCAGCATCCCAGCCACCAGCCTTCCCCGGAGAAGCTCCGGGAGGAGTAAGC
 TGTACAGCAGCTCCCTCTGCCAGCTGGTCCCGGAATTCTGTGAACCAGGCTGCTGTCTC
 CTCCCCAGAAAGAGTCTTACCTTGGAGAGGCTCTGGAGAGAATTTCTCTTCCCCAGC
 TAAATACCCTGCCTGCACTGAAGCAGACCCGGGGGTGCTCTCCCTGCCCTCTGCCAGA
 GGCCACCTCCACTCCTACAAAATCAAAGTATTGTCCAGACAAGAGTCACTGGCCCTGCT
 CCAGCTTCTGGGTATCCAGAGAGCACTGCACTTCCCCAAAACGGAAGGGGCCCTGGGCA
 GTGGGTTTTGGGCAAATTCCTTTCTTTGCATCCACAATGTGGGTCCGAGCTTGGGGG
 AGGTCCTGGGAGTGGGAAGCCTTCTCTTGTGTCTTTCGCTCCACTTTTAGCTCATCGCA
 CCAATATTGCAGACTTGAAGGAAGCATAAGCTTCCCATTTCACAAAGGGGAAACTGAGG
 TGCGGGTGCAGGGCCCTGGGACGGCCGTCCTATGGCTTCCATCTGAGCCACCTCGGGAC
 CCCAGCGCTCCTGGCGCCCTTCTCATCGCTTGGCCTATGACAGGTCACCGTGTGTAA
 TCTTTCCAATAAAGTGTGCACAAAGAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_024298

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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_024298.2 , NP_077274.2
RefSeq Size:	2529 bp
RefSeq ORF:	1419 bp
Locus ID:	79143
UniProt ID:	Q96N66
Cytogenetics:	19q13.42
Domains:	MBOAT
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes a member of the membrane-bound O-acyltransferases family of integral membrane proteins that have acyltransferase activity. The encoded protein is a lysophosphatidylinositol acyltransferase that has specificity for arachidonoyl-CoA as an acyl donor. This protein is involved in the reacylation of phospholipids as part of the phospholipid remodeling pathway known as the Land cycle. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2009]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>