

## Product datasheet for **RC238319**

### LIPI (NM\_001303000) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LIPI (NM_001303000) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LIPI
Synonyms:	CT17; LPDL; mPA-PLA1 beta; PLA1C; PRED5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238319 representing NM\_001303000  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGAGTATACATTTTTCTTTGTTGATGTGCTGGGTGAGATCTGATAATAAAAGACCATGCCTTGAAT  
 TCTCTCAGCTAAGTGAAAGGATTCTTCAGAGATTTATTTATTCGAGAATAGAGACCATTCTGATGAT  
 GTATACAAGGAACAACCTAAACTGTGCTGAGCCACTGTTTGAACAAAATAACTCACTTAATGTTAATTTT  
 AACACACAAAAGAAAACAGTCTGGCTTATTCACGGATACAGACCAGTAGGCTCCATCCCATTATGGCTTC  
 AGAACTTCGTAAGGATTTTGTGAATGAAGAAGATATGAATGTAATTGTAGTAGACTGGAGCCGGGTGC  
 TACAACTTTTATTATAATAGAGCAGTTAAAAACACCAGAAAAGTTGCTGTGAGTTTGTGAGTGCACATT  
 AAAAATCTTTGAAGCATGGTGCATCTCTTGACAATTTTCATTTTCATAGGTGTGAGCTTAGGGCTCATA  
 TCAGTGGATTTGTTGAAAGATATTTTCATGGTCAACTTGAAGAATAACAGGTCTTGACCCTGCTGGCC  
 AAGTTTCCAGAAAACCACCATATAGCAGATTAGATTACACGGATGCAAAGTTTGTGGATGTCATCCAT  
 TCTGACTCCAATGGTTTAGGCATTCAAGAGCCCTTGGGACATATAGATTTTTATCCAAATGGAGGAAATA  
 AACAACTGGCTGTCTAAATCAATTTTCTCAGGAATCAATTCATTAATGCAACCACCAGAGAGCAGT  
 TCATTGTTTATGGCATCTTAGAAACAACTGCAATTTTATTTTCATTTCTTGTGCTTCATACAAAGAT  
 TACAAGACTAGCTTATGTGTGGACTGTGACTGTTTTAAGGAAAAATCATGTCTCGGCTGGGTTATCAAG  
 CCAAGCTATTTAAAGGTGTTTTAAAAGAAAGGATGGAAGGAAGACCTCTTAGGACCCTGTGTTTTGGA  
 TACAAGTGCTATTTTTGTTCTCAGTATAATTGTTCCAGATAAAACTATGATGGATGGCTCGTTTTCA  
 TTTAAATTATTAATCAGCTTGAATGATTGAAGAGCCAAGGCTTTATGAAAAGAACAAACATTTTATA  
 AACTTCAAGAAGTCAAGATCTTGCTCAATTTTATAATGACTTTGTAAATATTTCAAGCATGGTTTGAC  
 ATATTTCCAGAGCTCAAATCTGCAGTGTCCACATGCACATACAAGATCCAGAGTCTCATGTTAAATCA  
 CTTACATACCCAGAAAGACCACCACTTTGCAGGTATAATATTGTAATAAGACAGAGAGGAAGTGTTC  
 TTAATCCAAACACATGTACACCAAGAACACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238319 representing NM\_001303000  
 Red=Cloning site Green=Tags(s)

MRVYIFLCLMCWVRSDNKRPCLEFSQLSVKDSFRDLFIPRIETILMMYTRNNLNCAEPLFEQNNSLNVNF  
 NTQKKTVWLIHGYPVGSIPLWLQNFVRILLNEEDMNVIIVDWSRGATTFIYNRAVKNTRKVAVSLSVHI  
 KNLLKHGASLDNFHFIVGSLGAHISGFVGKIFHGQLGRITGLDPAGPRFSRKPYSRLDYDAKFVDVH  
 SDSNGLGIQEPLGHIDFYPNGGNKQPGCPKSI FSGIQF IKCNHQRAVHLMASLETNCNFI SFPCRSYK  
 YKTSLCDVDCDFKEKSCPRLLGYQAKL FKGVLKERMEGRPLRTTVFLDTSAYYFVLSIIVPDKTMMDGSFS  
 FKLLNQLGMIIEEPRLYEKNKPFYKLEVKILAQFYNDVFNISIGLTYFQSSNLQCSCTCYKIQSLMLKS  
 LTYPERPPLCRYNIVLKDREEVFLNPNTCTPKNT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

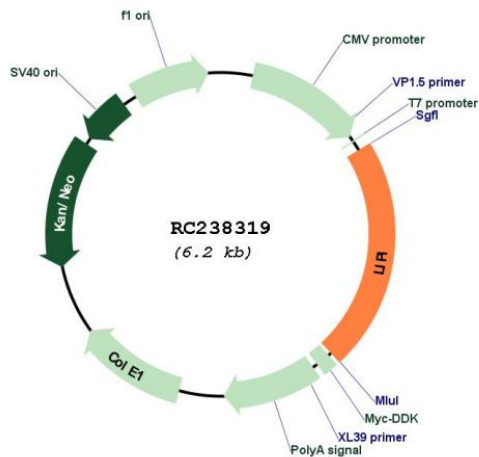
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001303000

ORF Size: 1362 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\\_001303000.2](#)

**RefSeq Size:** 1591 bp

**RefSeq ORF:** 1365 bp

**Locus ID:** 149998

**UniProt ID:** [Q6XZB0](#)

**Cytogenetics:** 21q11.2

**Protein Families:** Secreted Protein

**MW:** 52.7 kDa

**Gene Summary:** The protein encoded by this gene is a phospholipase that hydrolyzes phosphatidic acid to produce lysophosphatidic acid. Defects in this gene are a cause of susceptibility to familial hypertriglyceridemia. This gene is also expressed at high levels in Ewing family tumor cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]