

## Product datasheet for **RC238186**

### LIPI (NM\_001302999) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LIPI (NM_001302999) 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
ORF Nucleotide Sequence:	>RC238186 representing NM_001302999 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGAGTATACATTTTTCTTTGTTTGATGTGCTGGGTGAGATCTGATAATAAAAGACCATGCCTTGAAT  
TCTCTCAGCTAAGTGAAAGGATTCCTTCAGAGATTTATTTATCCGAGAATAGAGACCATTCTGATGAT  
GTATACAAGGAACAACCTAAACTGTGCTGAGCCACTGTTTGAACAAAATAACTCACTTAATGTTAATTTT  
AACACACAAAAGAAAACAGTCTGGCTTATTCACGGATACAGACCAGTAGGCTCCATCCCATTATGGCTTC  
AGAAGTTCGTAAGGATTTTGGCTGAATGAAGAAGATATGAATGTAATTGTAGTAGACTGGAGCCGGGTGC  
TACAACTTTTATTTATAATAGAGCAGTTAAAAACACCAGAAAAGTTGCTGTGAGTTTGTGATGTCACATT  
AAAAATCTTTTGAAGCATGGTGCATCTCTTGACAATTTTCATTTTCATAGGTGTGAGCTTAGGGGCTCATA  
TCAGTGGATTTGTTGAAAGATATTTTCATGGTCAACTTGAAGAATAACAGGTCTTGACCCTGCTGGGCC  
AAGGTTCTCCAGAAAACCACCATATAGCAGATTAGATTACACGGATGCAAAGTTTGTGGATGTCATCCAT  
TCTGACTCCAATGGAATCAATTCATTAATGCAACCACCAGAGAGCAGTTCATTGTTTCATGGCATCTT  
TAGAAACAACTGCAATTTTATTTCAATTCCTTGTGCTTCAACAAGATTACAAGACTAGCTTATGTGT  
GGACTGTGACTGTTTTAAGGAAAATCATGTCTCGGCTGGGTTATCAAGCCAAGCTATTTAAAGGTGTT  
TTAAAAGAAAGGATGGAAGGAAGACCTCTTAGGACCCTGTGTTTTTGGATACAAGTGGTACATATCCAT  
TCTGTACCTATTTTGTCTCAGTATAATTGTTCCAGATAAAACTATGATGGATGGCTCGTTTTTCATT  
TAAATTATTAATCAGCTTGAATGATTGAAGAGCCAAGGCTTTATGAAAAGAACAACCATTTTATAAA  
CTTCAAGAAGTCAAGATCTTGCTCAATTTTATAATGACTTTGTAATATTTCAAGCATTGGTTTGACAT  
ATTTCCAGAGCTCAAATCTGCAGTGTCCACATGCACATACAAGATCCAGAGTCTCATGTTAAAATCACT  
TACATACCCAGAAAAGACCACCACCTTGCAGGTATAATATTGACTTAAAGACAGAGAGGAAGTGTTCCT  
AATCCAAACACATGTACACCAAAGAACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC238186 representing NM\_001302999  
 Red=Cloning site Green=Tags(s)

MRVYIFLCLMCWVRSNDKRPCLEFSQLSVKDSFRDLFIPRIETILMMYTRNNLNCAEPLFEQNNLSLVNF  
 NTQKKTVWLIHGYRPVGSIPWLQNFVRILLNEEDMNVIVVDWSRGATTFIYNRAVKNTRKVAVLSVHI  
 KNLLKHGASLDNFHFIFGVSLGAHISGFVKGIFHGQLGRITGLDPAGPRFSRKPPYSRLDYDAKFVDVVIH  
 SDSNGIQFIKCNHQRAVHLFMASLETNCNFI SFPCRSYKDYKTSLCVDCDCFKEKSCPRLGYQAKLFKGV  
 LKERMEGRPLRTTVFLDTSGTYPFCTYYFVLSIIVPDKTMMDGFSFKLLNQLGMIEEPRLYEKNKPFYK  
 LQEVKILAQFYNDVFNISSIGLTYFQSSNLQCSTCTYKIQSLMLKSLTYPERPPLCRYNIVLKDREEVFL  
 NPNTCTPKNT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

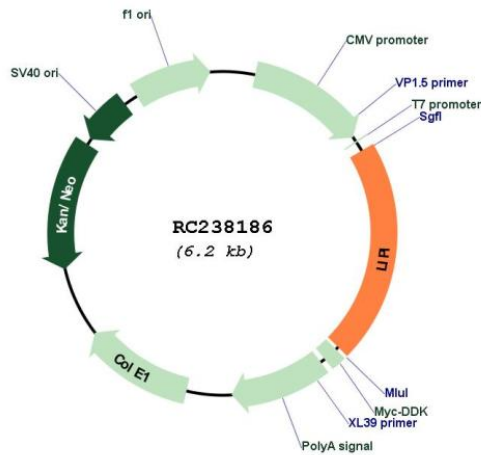
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM\_001302999

<b>ORF Size:</b>	1290 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001302999.2</a>
<b>RefSeq Size:</b>	1519 bp
<b>RefSeq ORF:</b>	1293 bp
<b>Locus ID:</b>	149998
<b>UniProt ID:</b>	<a href="#">Q6XZB0</a>
<b>Cytogenetics:</b>	21q11.2
<b>Protein Families:</b>	Secreted Protein
<b>MW:</b>	50.2 kDa
<b>Gene Summary:</b>	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]