

## Product datasheet for **RC212787**

### LIPI (NM\_198996) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LIPI (NM_198996) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LIPI
Synonyms:	CT17; LPDL; mPA-PLA1 beta; PLA1C; PRED5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC212787 representing NM\_198996  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTGCTCAAATGTTTACATAATAACTTGTGCCAAAAATATAGTGCTCATGCTTTTCAGTTCTCACCCA  
 GAAATGTCCTGTGGCTTCTAGTTGTGCTCGAGATCAGATAATAAAAGACCATGCCTTGAATTCTCTCA  
 GCTAAGTGTAAGGATTCCTTCAGAGATTTATTTATTCCGAGAATAGAGACCATTCTGATGATGATACA  
 AGGAACAACCTAAACTGTGCTGAGCCACTGTTTGAACAAAATAACTCACTTAATGTTAATTTCAACACAC  
 AAAAGAAAACAGTCTGGCTTATTCACGGATACAGACCAGTAGGCTCCATCCCATTATGGCTTCAGAACTT  
 CGTAAGGATTTTGTGAATGAAGAAGATATGAATGTAATTGTAGTAGACTGGAGCCGGGGTGTACAAC  
 TTTATTTATAATAGAGCAGTTAAAAACACCAGAAAAGTTGCTGTGAGTTTGTGACATTAAAAATC  
 TTTTGAAGCATGGTGCATCTCTTGACAATTTTCATTTTCATAGGTGTGAGCTTAGGGCTCATATCAGTGG  
 ATTTGTTGAAAGATATTTTCATGGTCAACTTGGAAAGAATAACAGGTCTTGACCCTGCTGGCCAAGTTC  
 TCCAGAAAACCACCATATAGCAGATTAGATTACACGGATGCAAAGTTTGTGGATGTCATCCATTCTGACT  
 CCAATGGTTTAGGCATTCAAGAGCCCTTGGGACATATAGATTTTTATCCAAATGGAGGAAAATAACAACC  
 TGGCTGTCCTAAATCAATTTTCTCAGGAATTCATTTAATGCAACCACCAGAGAGCAGTTCACCTTG  
 TTCATGGCATCTTTAGAAAACAACTGCAATTTTATTTTCATTTCTTGTGCTTTCATACAAAGATTACAAGA  
 CTAGCTTATGTGTGGACTGTGACTGTTTTAAGGAAAAATCATGTCCTCGGCTGGGTTATCAAGCCAAGCT  
 ATTTAAAGGTGTTTTAAAAGAAAGGATGGAAGGAAGACCTCTTAGGACCACTGTGTTTTTGGATACAAGT  
 GGTACATATCCATTCTGTACCTATTATTTTGTCTCAGTATAATTGTTCCAGATAAAACTATGATGGATG  
 GCTCGTTTTCAATTTAAATTTAATAATCAGCTTGGAAATGATTGAAGGCCAAGGCTTTATGAAAAGAACAA  
 ACCATTTTATAAACTTCAAGAAGTCAAGATTCTTGCTCAATTTTATAATGACTTTGTAAATATTTCAAGC  
 ATTTGGTTTGACATATTTCCAGAGCTCAAATCTGCAGTGTCCACATGCACATACAAGATCCAGAGACTCA  
 TGTTAAAATCACTTACATACCCAGAAAGACCACCACTTTGCAGGTATAATATTGTAATTAAGACAGAGA  
 GGAAGTGTCTTAAATCCAAACACATGTACACCAAGAACACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC212787 representing NM\_198996  
 Red=Cloning site Green=Tags(s)

MLLKCLHNNLCQKYSAHAFQFSPRNVLLVCLRSDNKRPCLEFSQLSVKDSFRDLFIPRIETILMMYT  
 RNNLNCAEPLFEQNNSLNVNFNTQKKTVWLIHGYRVPVGSIPLWLQNFVIRILLNEEDMNVIVVDWSRGATT  
 FIYNRAVKNTRKVAVSLSVHIKNLLKHGASLDNFHFIFGVSLGAHISGFVGIKIFHGQLGRITGLDPAGPRF  
 SRKPPYSRLDYTDKAFVDVIHSDSNGLGIQEPLGHIDFYPNGGNKQPGCPKSIKIFSGIQFICCNHQRAVHL  
 FMASLETNCNFI SFPCRSYKDYKTSLCVDCDFKEKSCPRLGYQAKLFGVVKERMEGRPLRTTVFLDTS  
 GTYPFCTYYFVLSIIIVPDKTMDGFSFKLLNQLGMIEEPRLYEKNKPFYKLQEVKILAQFYNDVFNIS  
 IGLTYFQSSNLQCSTCTYKIQRMLKSLTYPERPPLCRYNIVLKDREEVFLNPNTCTPKNT

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8013\\_h03.zip](https://cdn.origene.com/chromatograms/mk8013_h03.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



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

**ACCN:** NM\_198996

**ORF Size:** 1443 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_198996.2](#), [NP\\_945347.1](#)
**RefSeq Size:** 1636 bp

**RefSeq ORF:** 1248 bp

**Locus ID:** 149998

UniProt ID: Q6XZB0

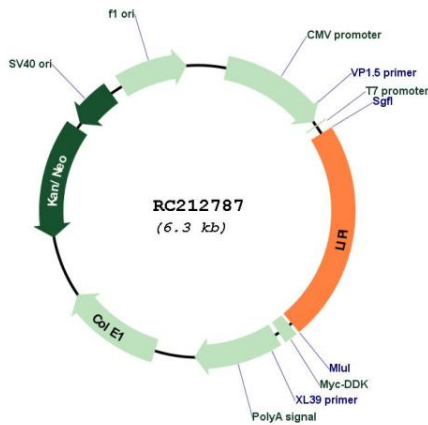
Cytogenetics: 21q11.2

Protein Families: Secreted Protein

MW: 55.1 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]

**Product images:**



Circular map for RC212787