

Product datasheet for **RC237829**

LIPI (NM_001303001) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LIPI (NM_001303001) 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: >RC237829 representing NM_001303001
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGAGTATACATTTTTCTTTGTTTGATGTGCTGGGTGAGATCTGATAATAAAAGACCATGCCTTGAAT
TCTCTCAGCTAAGTGAAAGGATTCCTTCAGAGATTTATTTATCCGAGAATAGAGACCATTCTGATGAT
GTATACAAGGAACAACCTAAACTGTGCTGAGCCACTGTTTGAACAAAATAACTCACTTAATGTTAATTTT
AACACACAAAAGAAAACAGTCTGGCTTATTCACGGATACAGACCAGTAGGCTCCATCCCATTATGGCTTC
AGAACTTCGTAAGGATTTTGCTGAATGAAGAAGATATGAATGTAATTGTAGTAGACTGGAGCCGGGGTGC
TACAACTTTTATTTATAATAGAGCAGTTAAAAACACCAGAAAAGTTGCTGTGAGTTTGAGTGTGCACATT
AAAAATCTTTTGAAGCATGGTGCATCTCTTGACAATTTTCATTTTCATAGGTGTGAGCTTAGGGGCTCATA
TCAGTGGATTTGTTGAAAGATATTTTCATGGTCAACTTGAAGAATAACAGGTCTTGACCCTGCTGGGCC
AAGGTTCTCCAGAAAACCACCATATAGCAGATTAGATTACACGGATGCAAAGTTTGTGGATGTCATCCAT
TCTGACTCCAATGGTTTAGGCATTCAAGAGCCCTTGGACATATAGATTTTTATCCAAATGGAGGAAATA
ACAACCTGGCTGCCTAAATCAATTTTCTCAGGAATTCATTCATTAATGCAACCACAGAGAGCAGT
TCACTTGTTCATGGCATCTTTAGAAACAACTGCAATTTTATTTTCATTTCTTGTGCTTCATACAAAGAT
TACAAGACTAGCTTATGTGTGGACTGTGACTGTTTAAAGGAAAAATCATGTCTCGGCTGGGTTATCAAG
CCAAGCTATTTAAAGGTGTTTTAAAAGAAAGGATGGAAGGAAGACCTCTTAGGACCACTGTTTTTTGG
TACAAGTGGTACATATCCATTCTGTAACCACCACTTTGCAGGTATAATATTGTACTTAAAGACAGAGAGG
AAGTGTTCCTTAATCCAAACACATGTACACCAAGAACACATAAGATGCCTTCTTCCATCAATGCACCT
GCTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237829 representing NM_001303001
 Red=Cloning site Green=Tags(s)

MRVYIFLCLMCWVRSNKRPCLEFSQLSVKDSFRDLFIPRIETILMMYTRNNLNCAEPLFEQNNSLNVNF
 NTQKKTVWLIHGYPVSGIPLWLQNFVRILLNEEDMNVIVVDWSRGATTFIYNRAVKNTRKVAVLSVHI
 KNLLKHGASLDFHFHIGVSLGAHISGFVGIKIFHGQLGRITGLDPAGPRFSRKPPYSRLDYDAKFVDVIH
 SDSNGLGIQEPLGHIDFYPNGGNKQPGCPKSIKIFSGIQFIKCNHQRAVHLFMALETCNCFISFPCRSYKD
 YKTSLCDVDCDFKEKSCPRLLGYQAKLFGVYKERMGRPLRTTVFLDTSGTYPFCNHFFAGIILYLKTER
 KCFLIQTHVHQRTHKMPSSIKCTCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

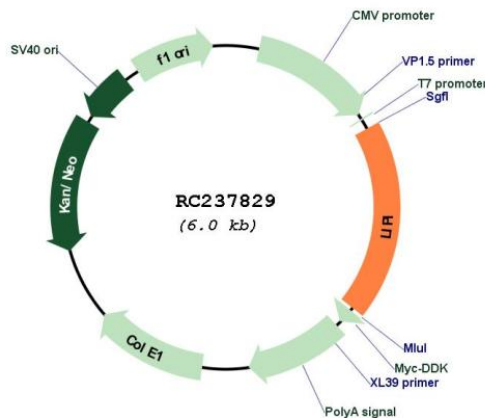
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001303001

ORF Size:	1125 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:	<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_001303001.2
RefSeq Size:	1320 bp
RefSeq ORF:	1128 bp
Locus ID:	149998
UniProt ID:	Q6XZB0
Cytogenetics:	21q11.2
Protein Families:	Secreted Protein
MW:	43.4 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]