

Product datasheet for **RG237829**

LIPI (NM_001303001) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIPI (NM_001303001) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LIPI
Synonyms:	CT17; LPDL; mPA-PLA1 beta; PLA1C; PRED5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237829 representing NM_001303001. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGAGTATACATTTTTCTTTGTTGATGTGCTGGGTGAGATCTGATAATAAAAGACCATGCCTTGAA
TTCTCTCAGCTAAGTGTAAGGATTCCTTCAGAGATTTATTTATCCGAGAATAGAGACCATTCTGATG
ATGTATACAAGGAACAACCTAACTGTGCTGAGCCACTGTTTGAACAAAATAACTCACTTAATGTTAAT
TTCAACACACAAAAGAAAACAGTCTGGCTTATTCACGGATACAGACCAGTAGGCTCCATCCCATTATGG
CTTCAGAACTTCGTAAGGATTTGCTGAATGAAGAAGATATGAATGTAATTGTAGTAGACTGGAGCCGG
GGTGCTACAACCTTTTATTTATAATAGAGCAGTTAAAACACCAGAAAAGTTGCTGTGAGTTTGAGTGTG
CACATTAATAATCTTTTGAAGCATGGTGCATCTCTTGACAATTTTCATTTTCATAGGTGTGAGCTTAGGG
GCTCATATCAGTGGATTTGTTGGAAGATATTTTCATGGTCAACTTGGAAGAATAACAGGTCTTGACCCT
GCTGGGCCAAGGTTCTCCAGAAAACCACCATATAGCAGATTAGATTACACGGATGCAAAGTTTGTTGAT
GTCATCCATTCTGACTCCAATGGTTTAGGCATTCAAGAGCCCTTGGGACATATAGATTTTATCCAAT
GGAGGAAATAACAACCTGGCTGCCTAAATCAATTTTCTCAGGAATCAATTCATTAATGCAACCAC
CAGAGAGCAGTTCACCTGTTTCATGGCATCTTTAGAAAACAACTGCAATTTTATTTTCATTTCTTGTGCT
TCATACAAAGATTACAAGACTAGCTTATGTGTGGACTGTGACTGTTTTAAGGAAAAATCATGTCCTCGG
CTGGGTTATCAAGCCAAGCTATTTAAAGGTGTTTTAAAAGAAAGGATGGAAGGAAGACCTTTAGGACC
ACTGTGTTTTTGGATACAAGTGGTACATATCCATTCTGTAAACCACCTTTGCAGGTATAAATATTGTAC
TTAAAGACAGAGGAAGTGTTCCTTAATCCAACACATGTACACCAAAGAACACATAAGATGCCTTCT
TCCATCAAATGCACTTGCTTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237829
 Blue=ORF Red=Cloning site Green=Tag(s)

MRVYIFLCLMCWVRSNDKRPCLEFSQLSVKDSFRDLFIPRIETILMMYTRNNLNCAEPLFEQNNLSLNVN
 FNTQKKTVWLIHGYRPVGSIPLWLQNFVRIILLNEEDMNVIIVDWSRGATTFIYNRAVKNTRKVAVLSV
 HIKNLLKHGASLDNFHFIGVSLGAHISGFVGIKIFHGQLGRITGLDPAGPRFSRKPPYSRLDYTDKAFVD
 VIHSDSNGLGIQEPLGHIDFYPNGGNKQPGPKSIFSGIQFIKCNHQRAVHLFMASLETNCNFI SFPCR
 SYKDYKTSL CVDCDCFKEKSCPRLGYQAKL FKGVLKERMEGRPLRTTVFLDTSGTYPF CNHHFAGIILY
 LKTERKCFLIQTHVHQRTHKMPSSIKCTCL
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

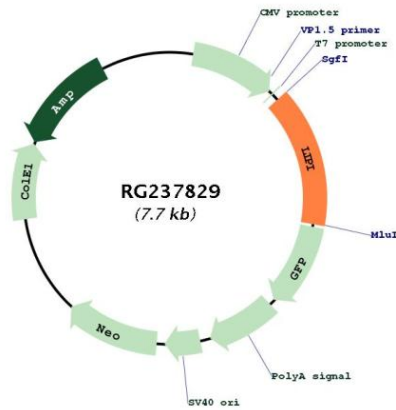
RefSeq: [NM_001303001.2](#)

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]

Product images:



Circular map for RG237829