

Product datasheet for **RG238319**

LIPI (NM_001303000) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIPI (NM_001303000) 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:	>RG238319 representing NM_001303000. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGAGTATACATTTTTCTTTGTTGATGTGCTGGGTGAGATCTGATAATAAAGACCATGCCTTGAA
TTCTCTCAGCTAAGTGTAAGGATTCCTTCAGAGATTTATTTATCCGAGAATAGAGACCATTCTGATG
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TTCAACACACAAAAGAAAACAGTCTGGCTTATTCACGGATACAGACCAGTAGGCTCCATCCCATTATGG
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GGTGCTACAACCTTTTATAATAGAGCAGTTAAAACACCAGAAAAGTTGCTGTGAGTTTGAGTGTG
CACATTAATAATCTTTGAAGCATGGTGCATCTCTTGACAATTTTCATTTATAGGTGTGAGCTTAGGG
GCTCATATCAGTGGATTTGTTGAAAGATATTTTCATGGTCAACTTGGAAGAATAACAGGTCTTGACCCT
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GTCATCCATTCTGACTCCAATGGTTTAGGCATTCAAGAGCCCTTGGGACATATAGATTTTATCAAAT
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CTGGGTTATCAAGCCAAGCTATTTAAAGGTGTTTTAAAAGAAAGGATGGAAGGAAGACCTTTAGGACC
ACTGTGTTTTTGATACAAGTGCCTATTTTGTCTCAGTATAATTGTTCCAGATAAAAACATGATG
GATGGCTCGTTTTTCAATTAATTAATAATCAGCTTGGAAATGATTGAAGAGCCAAGGCTTTATGAAAAG
AACAAACCATTTTATAAATCAAGAAAGTCAAGATTCTTGCTCAATTTTATAATGACTTTGTAAATATT
TCAAGCATTGGTTTGACATATTTCCAGAGCTCAAATCTGCAGTGTCCACATGCACATACAAGATCCAG
AGTCTCATGTTAAATCACTTACATACCCAGAAAGACCACCCTTTGCAGGTATAATATTGACTTAAA
GACAGAGAGGAAGTGTTCCTAATCCAACACATGTACACCAAAGAACACA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238319
 Blue=ORF Red=Cloning site Green=Tag(s)

MRVYIFLCLMCWVRSNDKRPCLEFSQLSVKDSFRDLFIPRIETILMMYTRNNLNCAEPLFEQNNLSLNVN
 FNTQKKTVWLIHGYRPVGSIPLWLQNFVRILLNEEDMNVIIVDWSRGATTFIYNRAVKNTRKVAVLSV
 HIKNLLKHGASLDNFHF IGVSLGAHISGFVGIKIFHGQLGRITGLDPAGPRFSRKPPYSRLDYTDKAFVD
 VIHSDSNGLGIQEPLGHIDFYPNGGNKQPGCPKSI FSGIQFIKCNHQRAVHLFMASLETNCNFI SFPCR
 SYKDYKTSLCDVDCDFKEKSCPRLGYQAKLFKGV LKERMEGRPLRTTVFLDTSAYYFVLSIIVPDKTMM
 DGSFSFKLLNQLGMIEEPRLYEKNKPFYKLQEVKILAQFYNDVNISSIGLTYFQSSNLQCSTCTYKIQ
 SLMLKSLTYPERPPLCRYNIVLKDREEVFLNPNTCTPKNT
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

RefSeq: [NM_001303000.2](#)

RefSeq Size: 1591 bp

RefSeq ORF: 1365 bp

Locus ID: 149998

UniProt ID: [Q6XZB0](#)

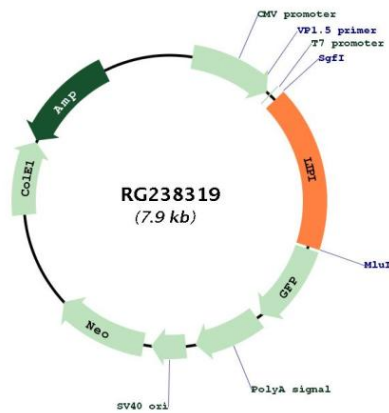
Cytogenetics: 21q11.2

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]

Product images:



Circular map for RG238319