

Product datasheet for **RG238186**

LIPI (NM_001302999) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIPI (NM_001302999) 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:	>RG238186 representing NM_001302999. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGAGTATACATTTTTCTTTGTTGATGTGCTGGGTGAGATCTGATAATAAAAGACCATGCCTTGAA
TTCTCTCAGCTAAGTGTAAGGATTCCTTCAGAGATTTATTTATCCGAGAATAGAGACCATTCTGATG
ATGTATACAAGGAACAACCTAACTGTGCTGAGCCACTGTTTGAACAAAATAACTCACTTAATGTTAAT
TTCAACACACAAAAGAAAACAGTCTGGCTTATTCACGGATACAGACCAGTAGGCTCCATCCCATTATGG
CTTCAGAACTTCGTAAGGATTTGCTGAATGAAGAAGATATGAATGTAATTGTAGTAGACTGGAGCCGG
GGTGCTACAACCTTTTATAATAGAGCAGTTAAAACACCAGAAAAGTTGCTGTGAGTTTGAGTGTG
CACATTAATAATCTTTGAAGCATGGTGCATCTCTTGACAATTTTCATTTTCATAGGTGTGAGCTTAGGG
GCTCATATCAGTGGATTTGTTGGAAGATATTTTCATGGTCAACTTGGAAGAATAACAGGTCTTGACCCT
GCTGGGCCAAGGTTCTCCAGAAAACCACATATAGCAGATTAGATTACACGGATGCAAAGTTTGTTGAT
GTCATCCATTCTGACTCCAATGGAATTCATTAATGCAACCACCAGAGAGCAGTTCACTTGTTTC
ATGGCATCTTTAGAAACAACTGCAATTTTATTTTCATTTCTTGTGCTTCATACAAAGATTACAAGACT
AGCTTATGTGTGGACTGTGACTGTTTTAAGGAAAATCATGTCTCGGCTGGGTTATCAAGCCAAGCTA
TTTAAAGTGTTTTAAAAGAAAGGATGGAAGGAAGACCTTTAGGACCAGTGTGTTTTGGATACAAGT
GGTACATATCCATTCTGTACCTATTATTTGTTCTCAGTATAATTGTTCCAGATAAACTATGATGGAT
GGCTCGTTTTTCAATTAATTTAAATCAGCTTGAATGATTGAAGAGCCAAGGCTTTATGAAAAGAAC
AAACCATTTTATAAACTTCAAGAAGTCAAGATTCTTGCTCAATTTTATAATGACTTTGTAATATTTCA
AGCATTGGTTTGACATATTTCCAGAGCTCAAATCTGCAGTGTCCACATGCACATACAAGATCCAGAGT
CTCATGTTAAATCACTTACATACCCAGAAAGACCACCACTTTGCAGGTATAATATTGTACTTAAAGAC
AGAGAGGAAGTGTTCCTAATCCAAACACATGTACACCAAAGAACACA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG238186
 Blue=ORF Red=Cloning site Green=Tag(s)

MRVYIFLCLMCWVRSNDKRPCLEFSQLSVKDSFRDLFIPRIETILMMYTRNNLNCAEPLFEQNNLSLNVN
 FNTQKKTVWLIHGYRPVGSIPLWLQNFVRILLNEEDMNIVVDWSRGATTFIYNRAVKNTRKVAVLSV
 HIKNLLKHGASLDNFHF IGVSLGAHISGFVGI FHGQLGRITGLDPAGPRF SRKPPYSRLDYTDKAFVD
 VIHSDSNGIQF IKCNHQRAVHL FMASLETNCNF ISFPCRSYKYDYK TSLCVDCCDFKEKSCPRLGYQAKL
 FKGVLKERMEGRPLRTTVFLDTSGYPFCTYYFVLSIIIVPDKTMMDGSFSFKLLNQLGMIEEPRLYEKN
 KPFIYKLEVKILAQFYNDVFNISSIGLTYFQSSNLQCSTCTYKIQLMLKSLTYPERPPLCRYNIVLKD
 REEVFLNPNTCTPKNT
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001302999

ORF Size: 1290 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_001302999.2](#)

RefSeq Size: 1519 bp
 RefSeq ORF: 1293 bp
 Locus ID: 149998

UniProt ID: [Q6XZB0](#)

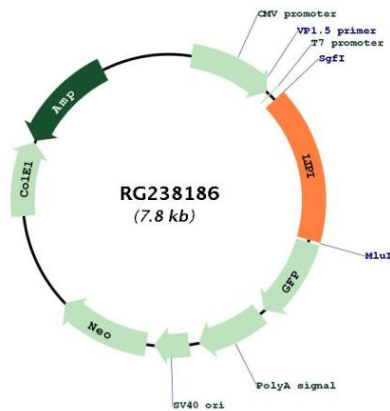
Cytogenetics: 21q11.2

Protein Families: Secreted Protein

MW: 50.2 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 RG238186