

Product datasheet for **RG212787**

LIPI (NM_198996) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIPI (NM_198996) 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)



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ORF Nucleotide Sequence:

>RG212787 representing NM_198996
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTGCTCAAATGTTTACATAATAACTTGTGCCAAAAATATAGTGCTCATGCTTTTCAGTTCTCACCCA
 GAAATGTCTGTGGCTTCTAGTTGTGCTGAGATCAGATAATAAAGACCATGCCTTGAATTCTCTCA
 GCTAAGTGTAAGGATTCCTTCAGAGATTTATTTATTCCGAGAATAGAGACCATTCTGATGATGATACA
 AGGAACAACCTAACTGTGCTGAGCCACTGTTTGAACAAAATAACTCACTTAATGTTAATTTCAACACAC
 AAAAGAAAACAGTCTGGCTTATTCACGGATACAGACCAGTAGGCTCCATCCCATTATGGCTTCAGAACTT
 CGTAAGGATTTTGTGAATGAAGAAGATATGAATGTAATTGTAGTAGACTGGAGCCGGGGTGTACAAC
 TTTATTTATAATAGAGCAGTTAAAAACACCAGAAAAGTTGCTGTGAGTTTGTGACACATTAATAATC
 TTTTGAAGCATGGTGCATCTCTTGACAATTTTCATTTTCATAGGTGTGAGCTTAGGGGCTCATATCAGTGG
 ATTTGTTGAAAGATATTTTCATGGTCAACTTGGAAAGAATAACAGGTCTTGACCCTGCTGGCCAAGTTC
 TCCAGAAAACCACCATATAGCAGATTAGATTACACGGATGCAAAGTTTGTGGATGTCATCCATTCTGACT
 CCAATGGTTTAGGCATTCAAGAGCCCTTGGGACATATAGATTTTTATCCAATGGAGGAAAATAACAAC
 TGGCTGTCTAAATCAATTTTCTCAGGAATTCATTAATAATGCAACCACCAGAGAGCAGTTCCTTGT
 TTCATGGCATCTTTAGAAACAACTGCAATTTTATTTTCATTTCTTGTGCTTTCATACAAAGATTACAAGA
 CTAGCTTATGTGTGGACTGTGACTGTTTTAAGGAAAAATCATGTCCTCGGCTGGGTATCAAGCCAAGCT
 ATTTAAAGGTGTTTTAAAAGAAAGGATGGAAGGAAGACCTCTTAGGACCACTGTGTTTTTGGATACAAGT
 GGTACATATCCATTCTGTACCTATTATTTTGTCTCAGTATAATTGTTCCAGATAAACTATGATGGATG
 GTCGTTTTTCATTTAAATTTAATAATCAGCTTGGAAATGATTGAAGAGCCAAGGCTTTATGAAAAGACAA
 ACCATTTTATAAACTTCAAGAAGTCAAGATTTCTGCTCAATTTTATAATGACTTTGTAAATATTTCAAGC
 ATTGTTTTGACATATTTCCAGAGCTCAAATCTGCAGTGTCCACATGCACATACAAGATCCAGAGACTCA
 TGTTAAAATCACTTACATACCCAGAAAGACCACCACTTTGCAGGTATAATATTGTAATAAGACAGAGA
 GGAAGTGTTCCTAATCCAACACATGTACACCAAGAACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG212787 representing NM_198996
 Red=Cloning site Green=Tags(s)

MLLKCLHNNLCQKYSAHAFQFSPRNVLWLLVVCLRSDNKRPCLEFSQLSVKDSFRDLFIPRIETILMMYT
 RNNLNCAEPLFEQNNSLNVNFNTQKKTVWLIHGYRPVGSIPLWLQNFVIRILLNEEDMNVI VVDWSRGATT
 FIYNRAVKNTRKVAVSLSVHIKNNLKHGASLDNFHFIGVSLGAHISGFVGIKIFHGQLGRITGLDPAGPRF
 SRKPPYSRLDYDAKFVDVIHSDSNGLGIQEPLGHIDFYPNGGNKQPGCPKSI FSGIQFICCNHQRVAVHL
 FMASLETNCNFI SFPCRSYKDYKTS LCVDCDFKEKSCPRLGYQAKL FKGVLKERMEGRPLRTTVFLDTS
 GTYPFCTYFVLSIIVPDKTMMDGFSFKLLNQLGMIEEPRLYEKNKPFYKLQEVKILAQFYNDVFNIS
 IGLTYFQSSNLQCSTCTYKIQRLMLKSLTYPERPPLCRYNIVLKDREEVFLNPNTCTPKNT

TRTRPLE - GFP Tag - V

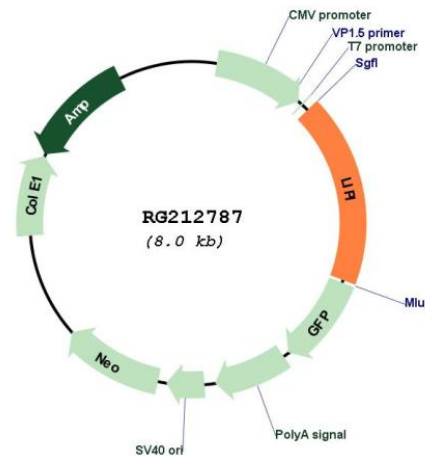
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



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:	<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:	<u>NM_198996.2</u> , <u>NP_945347.1</u>
RefSeq Size:	1636 bp
RefSeq ORF:	1248 bp
Locus ID:	149998
UniProt ID:	<u>Q6XZB0</u>
Cytogenetics:	21q11.2
Protein Families:	Secreted Protein
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]