

Product datasheet for **MR229970**

Liph (NM_001289582) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Liph (NM_001289582) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Liph
Synonyms:	C130037N08Rik; D16Wsu119e; H06; lpd1; lpd2; Lpdlr; mPA-PLA1; P3; PLA1B
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR229970 representing NM_001289582
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGAGGCTATGTTTTTTCATCAGTTTCATGTGCTTGGTGAATCAGACACGGATGAAACATGCCCGT
 CCTTCACCAGACTGAGCTTCCACAGCGCGTGGTTGGTACAGGACTCTCGTGAGACTGATGCTCTACAC
 ACAGAGAGACCAGACCTGTGCACAGATCATCAACTCCACAGCTCTGGGGAGCTTAAATGTGACCAAGAAA
 ACCACTTTTATAATCCACGGTTTCCGGCCAACAGGCTCCCCTCCGGTTTGGATAGAGGAGCTGGTACAGA
 GTTTGATCAGTGTACAAGAGATGAATGTAGTGGTTGTTGATTGGAATCGAGGAGCGACAACCTGTGATATA
 CCCCCATGCGTCTAGCAAGACCAGACAAGTAGCTTCTATTTTGAAGGAATTTATTGACCAGATGTTGGTC
 AAAGGAGCTTCTCTGGACAACATTTACATGATTGGAGTAACTAGGAGCCACATAGCTGGATTTGTTG
 GCGAGTCGTATGAGGGGAAGCTGGGAGAGTACAGGTCCTGACCCTGCAGGCCCTTTATCAACGGGAG
 ACCTCCTGAGGAGAGATTAGACCCAGCGACGCACTGTTCTGGGAGTCACTCCACTCTGACTGACGGC
 TACAAGGAAGCCCTAGGACACATAGACTTCTACCCGAATGGAGGACTAGATCAACCCGGTTGCCCAAGA
 CAATATTTGGAGGTATAAAGTACTTCAAGTGTGACCACCAGATGTCCGTCTACCTGTACCTTGCATCCCT
 GCAAAAATAACTGCTCCATCACGGCTATCCCTGCGACTCCTATCGGGATTATAGGAATGGCAAGTGTGC
 AGCTGTGGCGCTGGACAAATTGTGCCATGTCCCGTGTAGGCTACTATGCTGACAGCTGGAAGAGTACT
 TATGGGACAGAGATCCTCCGATGACGAAGCGTCTTTCGACACAGCTGAGACAAAGCCATACTGCATGTA
 TCATTATTTGTGGACATTGTATCTTGAACAAGAGCGTAAGAAGAGGGTTTATTACAATCAAACAGGAG
 GGCAAGATGGCAATATCACAGAATCCAAAATCGATCATGAGCCATCTGCATTTGAGAAAACCATCAAG
 TGAGTCTCCTCGCAAGATTTAATCGAGATCTGGATAAGGTGGCAGAGATTTCTTGTGTTCTCCACAGG
 GTCTGTAGTGGGCCAAAGTACAAGCTCAGGGTCTGACAGATGAAGCTGAGGTCTCTGGCCCATCCAGAC
 AGGCCTCACTTGTGTCGATATGATCTCGTCTTATGGAGAATGTTGAGACATCTTCCAACCTATCCTGT
 GCTCTCAGCAGCAGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229970 representing NM_001289582
 Red=Cloning site Green=Tags(s)

MLRLCFFISFMCLVKSDTDETCPSFTRLSFHSAVVGTGLSVRLMLYTQRDQTCQAIIINSTALGSLNVTKK
 TTFIIHGFRPTGSPVWIEELVQSLISVQEMNVVVDWNRGATTVIYPHASSKTRQVASILKEFIDQMLV
 KGASLDNIYMIIGVSLGAHIAGFVGESYEGKLRVTGLDPAGPLFNGRPPPEERLDPSDALFVDVIHSDTDG
 YKEALGHIDFYPNGLDQPGPKTIFGGIKYFKCDHQMSVYLYLASLQNNCSITAYPCDSYRDYRNGKCV
 SCGAGQIVPCPRVGYADSWKEYLWDRDPPMTKAFDFTAETKPYCMYHYFVDIVSWNKSARRGFITIKLR
 GEDGNITESKIDHEPSAFEKYHQVSLARFNRLDKVAEISLLFSTGSSVGPYKLRVQLMQLRSLAHPD
 RPHLCRYDLVLMENVETSFQIPILCSQQQM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

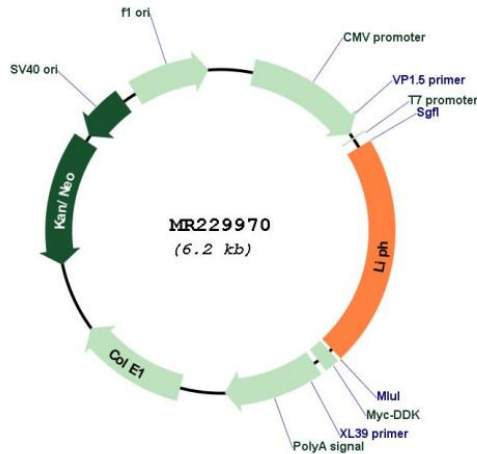
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001289582

ORF Size: 1347 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:

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_001289582.1](#), [NP_001276511.1](#)

RefSeq Size: 3805 bp

RefSeq ORF: 1350 bp

Locus ID: 239759

UniProt ID: [Q8CIV3](#)

Cytogenetics: 16 12.95 cM

MW: 50.9 kDa

Gene Summary: Hydrolyzes specifically phosphatidic acid (PA) to produce lysophosphatidic acid (LPA).
[UniProtKB/Swiss-Prot Function]