

Product datasheet for **MC227759**

Liph (NM_001289582) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Liph (NM_001289582) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC227759 representing NM_001289582
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGAGGCTATGTTTTTTCATCAGTTTCATGTGCTTGGTGAATCAGACACGGATGAAACATGCCCGT
CCTTCACCAGACTGAGCTTCCACAGCGCGTGGTTGGTACAGGACTCTCGTGAGACTGATGCTCTACAC
ACAGAGAGACCAGACCTGTGCACAGATCATCAACTCCACAGCTCTGGGGAGCTTAAATGTGACCAAGAAA
ACCACTTTTATAATCCACGGTTCCGGCCAACAGGCTCCCCTCCGGTTTGGATAGAGGAGCTGGTACAGA
GTTTGTACAGTGTACAAGAGATGAATGTAGTGGTTGTTGATTGGAATCGAGGAGCGACAACCTGTGATATA
CCCCCATGCGTCTAGCAAGACCAGACAAGTAGCTTCTATTTTGAAGGAATTTATTGACCAGATGTTGGTC
AAAGGAGCTTCTCTGGACAACATTTACATGATTGGAGTAAGTCTAGGAGCCACATAGCTGGATTTGTTG
GCGAGTCGTATGAGGGGAAGCTGGGAGAGTACAGGTCCTGACCCTGCAGGCCCTTTATTCAACGGGAG
ACCTCCTGAGGAGAGATTAGACCCAGCGACGCACTGTTCTGGACGTCATCCACTCTGACTGACGGC
TACAAGGAAGCCCTAGGACACATAGACTTCTACCCGAATGGAGGACTAGATCAACCCGGTTGCCCAAGA
CAATATTTGGAGGTATAAAGTACTTCAAGTGTGACCACCAGATGTCCGTCTACCTGTACCTTGCATCCCT
GCAAAATAACTGCTCCATCACGGCTATCCCTGCGACTCCTATCGGGATTATAGGAATGGCAAGTGTGTC
AGCTGTGGCGCTGGACAAATTGTGCCATGTCCCGTGTAGGCTACTATGCTGACAGCTGGAAAGAGTACT
TATGGGACAGAGATCCTCCGATGACGAAGGCGTCTTCGACACAGCTGAGACAAAGCCATACTGCATGTA
TCATTATTTGTGGACATTGTATCTTGGAAACAAGAGCGTAAGAAGAGGGTTTATTACAATCAAACAGGAG
GGCGAAGATGGCAATATCACAGAATCCAAAATCGATCATGAGCCATCTGCATTTGAGAAAACCATCAAG
TGAGTCTCCTCGCAAGATTTAATCGAGATCTGGATAAGGTGGCAGAGATTTCTTGTGTTCTCCACAGG
GTCTGTAGTGGGCCAAAGTACAAGCTCAGGGTCTCGAGATGAAGCTGAGGTCTCTGGCCCATCCAGAC
AGGCCTCACTTGTGTCGATATGATCTCGTCTTATGGAGAATGTTGAGACATCTTCCAACCTATCCTGT
GCTCTCAGCAGCAGATG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001289582

Insert Size: 1350 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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

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

Transcript Variant: This variant (4) uses an alternate in-frame splice site compared to variant 1. The encoded isoform (4) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.