

Product datasheet for **MC226899**

Liph (NM_001289581) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Liph (NM_001289581) 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
Fully Sequenced ORF: >MC226899 representing NM_001289581
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATTGGAGTAAGTCTAGGAGCCACATAGCTGGATTTGTTGGCGAGTCGTATGAGGGGAAGCTGGGA
GAGTCACAGGTCTTGACCCTGCAGGCCCTTTATTCAACGGGAGACCTCCTGAGGAGAGATTAGACCCGAC
CGACGCACTGTTCTGGACGTCATCCACTCTGACTGACGCACTAGGCTACAAGGAAGCCCTAGGACAC
ATAGACTTCTACCGAATGGAGGACTAGATCAACCCGGTTGCCCAAGACAATATTTGGAGGTATAAAGT
ACTTCAAGTGTGACCACCAGATGTCCTGTACCTGTACCTTGCATCCCTGCAAAATAACTGCTCCATCAC
GGCCTATCCCTGCGACTCCTATCGGGATTATAGGAATGGCAAGTGTGTCAGCTGTGGCGCTGGACAAATT
GTGCCATGTCCCGTGTAGGCTACTATGCTGACAGCTGGAAGAGTACTTATGGGACAGAGATCCTCCGA
TGACGAAGGCGTCTTCGACACAGCTGAGACAAAGCCATACTGCATGTATCATTATTTGTGGACATTGT
ATCTTGAACAAGAGCGTAAGAAGAGGGTTTATTACAATCAAAGTGAAGGCGAAGATGGCAATATCACA
GAATCCAAAATCGATCATGAGCCATCTGCATTTGAGAAAATACCATCAAGTGAAGTCTCCTCGCAAGATTTA
ATCGAGATCTGGATAAGGTGGCAGAGATTTCTTGTGTTCTCCACAGGGTCTGTAGTGGGCCCAAGTA
CAAGCTCAGGGTCTGCAGATGAAGCTGAGGTCTCTGGCCATCCAGACAGGCCTCACTGTGTGATAT
GATCTCGTCCTTATGGAGAATGTTGAGACATCCTTCAACCTATCCTGTGCTCTCAGCAGCAGAT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289581
Insert Size: 909 bp



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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:	<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_001289581.1</u> , <u>NP_001276510.1</u>
RefSeq Size:	3870 bp
RefSeq ORF:	909 bp
Locus ID:	239759
Cytogenetics:	16 12.95 cM
Gene Summary:	<p>Hydrolyzes specifically phosphatidic acid (PA) to produce lysophosphatidic acid (LPA). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) uses two alternate splice sites in the 5' UTR and coding region compared to variant 1. These differences cause translation initiation at a downstream start codon compared to variant 1. The encoded isoform (3) has a shorter N-terminus compared to 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.</p>