

Product datasheet for **RN212847**

Liph (NM_001044279) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Liph (NM_001044279) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Liph
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN212847 representing NM_001044279
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCTGAGACTGTGCTTTCTCCTCAGTTTCATGTGCTTGGTGAAATCAGATACGGATGAAACATGCCCGT
 CCTTCACCAGGCTGAGCTTCCACAGTGAGTGGTTGGTACAGGGCTCTCCGTGAGACTGATGCTCTACAC
 ACAGAGAGACCAGACCTGCGCACAAATCATCAACTCCACAGCCCTGGGGAGCTTAAATGTGACCAAGAAA
 ACCACGTTTATTATCCATGGTTTCCGGCCAACCGGCTCTCCTCCGGTTTGGATGGAGGAGTTGGTACAGA
 GTTTGATCAGTGTACAAGAGATGAATGTGGTGGTTGTTGATTGGAATCGAGGAGCTACGACTGTGATATA
 CCCCCATGCTTCTAGCAAGACCAGAAAAGTAGCTCTGATTTTGAAGGAATTTATCGACCAGATGCTGGCC
 AAAGGAGCTTCTCTGGACAACATTTACATGATTGGAGTAAGTCTAGGAGCCACATAGCTGGATTTGTTG
 GAGAAATGTATCCGGGAAGCTGGGAGAATCACAGGTCTTGACCCTGCAGGCCCTTTATTCAACGGGAG
 ACCTCCTGAGGACAGATTAGATCCAGCGACGCACAGTTCGTGGACGTCTCCACTCGGACACTGACGCA
 CTGGGCTACAGGAAGCACTAGGGCACATAGACTTCTATCCGAACGGAGGACTAGATCAACCGGGGTGCC
 CCAAGACAATATTTGGAGGTATAAAGTACTTCAAGTGTGACCACCAGATGTCCTGCTTCTCTGTACCTTGC
 ATCCCTGCAAAATAACTGCTCCATCACAGCCTATCCCTGCGACTCCTATCGGGATTATAGGAACGGCAAG
 TGTGTCAGCTGTGGTGTGGACACATCGTGTCTGTCCAGTCTCGGCTACTATGCTGACAACTGGAGAG
 AGTACTTATGGGACAGAGATCCTCCGATGACGAAGGCGTTCTTCGACACGGCTGAGACAAAGCCATACTG
 CATCTATCATTATTTGTGGACATCATCTTGAACAAGAGCGTGAGAAGAGGGTTCATTACAATCAAG
 CTGAGAGGCGAAGATGGAATATCACAGAATCCAAATGATCATGAGCCATCTGCATTCAGAAGTACC
 ATCAAGTGAGTCTTCTCGCAAGATTTAATCGAGATCTGGATAAAGTGCCAGAAATTTCTTGTGTTCTC
 CACAAAGTCTGTAGTGGGCCAAAGTACAAGCTCAGGGTCTGCGAATGAAGCTGAGGTCCCTGGCCCAT
 CCAGACAGGCCTCACTTGTGCCGTATGATCTCGTCTTATGGAGAATGTTGAGACATTCTTCAACCTA
 TCCTGTGCTCCAAGCAGCAGAT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001044279

Insert Size: 1356 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).

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_001044279.1, NP_001037744.1

RefSeq Size:	2785 bp
RefSeq ORF:	1356 bp
Locus ID:	681694
UniProt ID:	<u>Q32PY2</u>
Cytogenetics:	11q23
Gene Summary:	Hydrolyzes specifically phosphatidic acid (PA) to produce lysophosphatidic acid (LPA). [UniProtKB/Swiss-Prot Function]