

Product datasheet for **RC209020**

LIPH (NM_139248) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIPH (NM_139248) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LIPH
Synonyms:	AH; ARWH2; HYPT7; LAH2; LPDLR; mPA-PLA1; PLA1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC209020 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGTTGAGATTCTACTTATTCATCAGTTTGTGTGCTTGTCAAGATCAGACGCAGAAGAAACATGTCCTT
 CATTACCAGGCTGAGCTTTACAGTGCAGTGGTTGGTACGGGACTAAATGTGAGGCTGATGCTCTACAC
 AAGGAAAAACCTGACCTGCGCACAAACCATCAACTCCTCAGCTTTTGGGAACCTGAATGTGACCAAGAAA
 ACCACCTTCATTGTCCATGGATTGAGGCCAACAGGCTCCCTCCTGTTTGGATGGATGACTTAGTAAAGG
 GTTTGCTCTCTGTTGAAGACATGAACGTAGTTGTTGTTGATTGGAATCGAGGAGCTACAACCTTAATATA
 TACCCATGCTCTAGTAAGACCAGAAAAGTAGCCATGGTCTTGAAGGAATTTATTGACCAGATGTTGGCA
 GAAGGAGCTTCTCTGATGACATTTACATGATCGGAGTAAGTCTAGGAGCCACATATCTGGGTTTGTG
 GAGAGATGTACGATGGATGGCTGGGAGAATTACAGGCCTCGACCCTGCAGGCCCTTTATTCAACGGGAA
 ACCTCACCAAGACAGATTAGATCCAGTGATGCGCAGTTTGTGATGTCATCCATTCCGACACTGATGCA
 CTGGGCTACAAGGAGCCATTAGGAAACATAGACTTCTACCCAAATGGAGGATTGGATCAACCTGGCTGCC
 CAAAAACAATATTGGGAGGATTTCAGTATTTTAAATGTGACCACCAGAGGTCTGTATACCTGTACCTGTC
 TTCCCTGAGAGAGAGCTGCACCATCACTGCGTATCCCTGTGACTCCTACCAGGATTATAGGAATGGCAAG
 TGTGTCAGCTGCGGCACGTACAAAAAGAGTCCTGTCCCTTCTGGGCTATTATGCTGATAATTGGAAAG
 ACCATCTAAGGGGAAAGATCCTCCAATGACGAAGGCATTCTTTGACACAGCTGAGGAGAGGCCATTCTG
 CATGTATCATTACTTTGTGGATATTATAACATGGAACAAGAATGTAAGAAGAGGGGACATTACCATCAA
 TTGAGAGACAAAGCTGGAACACCACAGAATCCAAATCAATCATGAACCCACCACATTTACAGAAATATC
 ACCAAGTGAGTCTACTTGCAAGATTTAATCAAGATCTGGATAAAGTGGCTGCAATTTCTTGATGTTCTC
 TACAGGATCTCTAATAGGCCCAAGGTACAAGCTCAGGATTCTCCGAATGAAGTTAAGGTCCCTTGCCCAT
 CCGGAGAGGCCTCAGCTGTGTCGGTATGATCTTGTCTGATGGAAAACGTTGAAACAGTCTTCAACCTA
 TTCTTTGCCAGAGTTGCAGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209020 protein sequence
 Red=Cloning site Green=Tags(s)

MLRFYLFISLLCLSRSDAEETCPSFTRL SFHSAVVGTGLNVRLMLYTRKNLTCAQTINSSAFGNLNVTKK
 TTFIVHGFRTGSPVVMDDL VKGLLSVEDMNVVVVDWNRGATTLIYTHASSKTRKVAMVLKEFIDQMLA
 EGASLDDIYMIGVSLGAHISGFVGEMYDGLGRITGLDPAGPLFNGKPHQDRLDPSDAQFVDVIHSDTDA
 LGYKEPLGNIDFYPNGGLDQPGCPKTIILGGFYFKCDHQRSVYL YLSSLRESCITITAYPCDSYQDYRNGK
 CVSCGTSQKESCPLLGYADNWKDHLRGKDPPMTKAFFDTAEESPFMYHYFVDIITWNKNVRRGDITIK
 LRDKAGNTTESKINHEPTTFQKYHQVSLARFNQDLKVA AISLMFSTGSLIGPRYKLRILRMKLRLSLAH
 PERPQLCRYDLVLMENVETVFQPILCPELQL

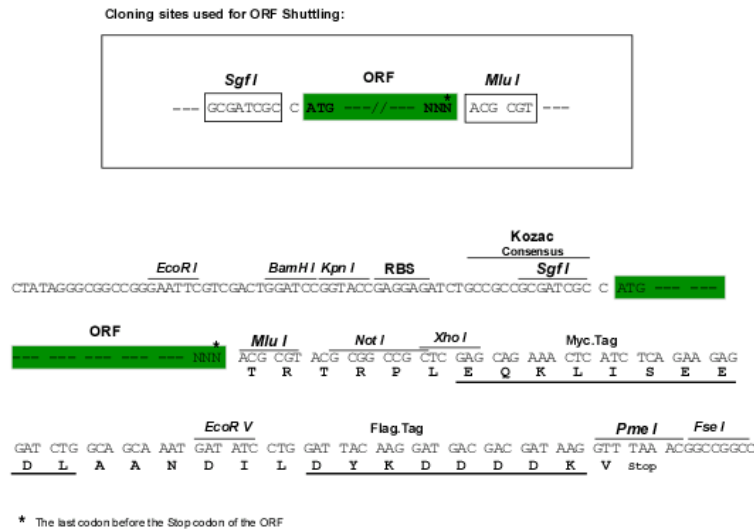
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6147_h02.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_139248

ORF Size: 1353 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_139248.3](#)

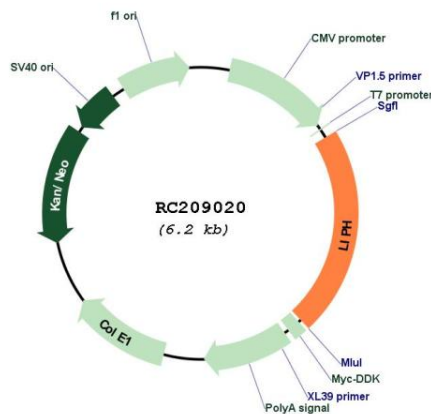
RefSeq Size: 2478 bp

RefSeq ORF: 1356 bp

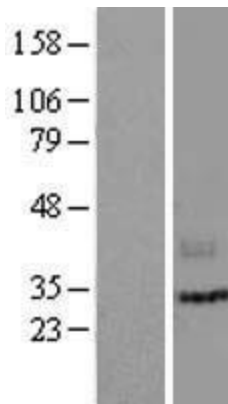
Locus ID: 200879

UniProt ID:	Q8WWY8
Cytogenetics:	3q27.2
Domains:	lipase
Protein Families:	Druggable Genome, Secreted Protein
MW:	50.9 kDa
Gene Summary:	This gene encodes a membrane-bound member of the mammalian triglyceride lipase family. It catalyzes the production of 2-acyl lysophosphatidic acid (LPA), which is a lipid mediator with diverse biological properties that include platelet aggregation, smooth muscle contraction, and stimulation of cell proliferation and motility. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC209020



Western blot validation of overexpression lysate (Cat# [LY403385]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209020 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).