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Product datasheet for SC120684

LIPH (NM_139248) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIPH (NM_139248) Human Untagged Clone
Tag:	Tag Free
Symbol:	LIPH
Synonyms:	AH; ARWH2; HYPT7; LAH2; LPDLR; mPA-PLA1; PLA1B
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene ORF sequence for NM_139248 edited
GCGGCCGCGAATTCGGCACGAGGGGGAAACTCTTAAGCCTCTGCGAAGTAAATCATTCTT
GTGAATGTGACACACGATCTCTCCAGTTTCCATATGTTGAGATTCTACTTATTCATCAGT
TTGTTGTGCTTGTCAAGATCAGACGCAGAAGAAACATGTCCTTCATTCACCAGGCTGAGC
TTTCACAGTGCAGTGGTTGGTACGGGACTAAATGTGAGGCTGATGCTCTACACAAGGAAA
AACCTGACCTGCGCACAAACCATCAACTCCTCAGCTTTTGGGAACTTGAATGTGACCAAG
AAAACCACCTTCATTGTCCATGGATTCAGGCCAACAGGCTCCCCTCCTGTTTGGATGGAT
GACTTAGTAAAGGGTTTGCTCTCTGTTGAAGACATGAACGTAGTTGTTGTTGATTGGAAT
CGAGGAGCTACAACTTTAATATATACCCATGCCTCTAGTAAGACCAGAAAAGTAGCCATG
GTCTTGAAGGAATTTATTGACCAGATGTTGGCAGAAGGAGCTTCTCTTGATGACATTTAC
ATGATCGGAGTAAGTCTAGGAGCCCACATATCTGGGTTTGTTGGAGAGATGTACGATGGA
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TCTAAAGTGGGATAAAGATGAGTATAGCGCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTT
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TAGCATCTGCTTGCTTTCTTTCTTTTTTTCTTTCTCTCTCTCTCTCTCTCTCTTTCTT
TCTTCGAGACAGAGCCTTGCTCTGCCGCCAGGCTGGAATGATCTTGGCTCACTGTAACCT
CTGCCTCCCGGGTTCAAGCGATCCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTACAGG
CACACACCACCACGTCCAGCTAATTTTTTTGTGTTTTTGTGGAGACGGGATTTCACCATG
TTGGCCAGGATGGTCTTGATCTCTTGACCTCATGATCTGCCTGCCTCGGCCTCCCAGGGT
GCTGGGATTACAGGTGTGAGCCACTGCGCCCAGGCTGCTCTTTTCTCTTTAATGTGCCCT
TTGGTGCTTTTTTCCTGGGGACCGCCCGTTTATCCCCACCCCTTGAACCTCATACACGTG
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CGGGAAACCTCACCAAGACAGATTAGATCCCAGTGATGCGCAGTTTGTTGATGTCATCCA
TTCCGACACTGATGCACTGGGCTACAAGGAGCCATTAGGAAACATAGACTTCTACCCAAA
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ATGTGACCACCAGAGGTCTGTATACCTGTACCTGTCTTCCCTGAGAGAGAGCTGCACCAT
CACTGCGTATCCCTGTGACTCCTACCAGGATTATAGGAATGGCAAGTGTGTCAGCTGCGG
CACGTCACAAAAAGAGTCCTGTCCCCTTCTGGGCTATTATGCTGATAATTGGAAAGACCA
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CAAGCATCTTCAAGGGAAGGACGGACTGGAGGCCTCACCGTGGACTCAACTCTGCATTCT
CCGTGCCACATTCCTCCAGTTCCCACACGTAGAAGGGAACGAAACTGACGTCTACCTCAT
GGGGCTGCTGTGTGGGTTTGGGAGGCAAAAATCTATGAAGGGTTTTTTGAAATCCCATAG
GTGCCACATCTATGAGATGTTTGATAAATGTGAATATGCTTTTAAAAAAAAAAAAAAAAA
AC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_139248 unedited
ATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGGGAAACTCTTAAGCCTCTG
CGAAGTAAATCATTCTTGTGAATGTGACACACGATCTCTCCAGTTTCCATATGTTGAGAT
TCTACTTATTCATCAGTTTGTTGTGCTTGTCAAGATCAGACGCAGAAGAAACATGTCCTT
CATTCACCAGGCTGAGCTTTCACAGTGCAGTGGTTGGTACGGGACTAAATGTGAGGCTGA
TGCTCTACACAAGGAAAAACCTGACCTGCGCACAAACCATCAACTCCTCAGCTTTTGGGA
ACTTGAATGTGACCAAGAAAACCACCTTCATTGTCCATGGATTCAGGCCAACAGGCTCCC
CTCCTGTTTGGATGGATGACTTAGTAAAGGGTTTGCTCTCTGTTGAAGACATGAACGTAG
TTGTTGTTGATTGGAATCGAGGAGCTACAACTTTAATATATACCCATGCCTCTAGTAAGA
CCAGAAAAGTAGCCATGGTCTTGAAGGAATTTATTGACCAGATGTTGGCAGAAGGAGCTT
CTCTTGATGACATTTACATGATCGGAGTAAGTCTAGGAGCCCACATATCNTGGGTTTGTT
GGAGAGATGTACGATGGATGGCTGGGGAGAATTACAGGTTTGCAACATGGATCAAATGGG
CTAGCATATATGAATAAGAGTTGGAAAGTCTTTATTTATTAACNNACAAAGGAAGGNCTG
AGTGAGGTTTCTCGGTCATCTAAAGTGGGATAAAGATGAGNATNAGCGCTTCTTTNCTTC
TTTTCTTCTTTCTTNCTTTTTCTTCTTTCTTCTTCTTCTTTCTCCTCANCTAAGGGG
GAAAAGATGATATAGCATGGCNGGCTTCTTTCTTTTTTCTTTCNCTCTCCTCTCCTCTCT
CTTTCTTTCTCAGAAGACCTTGTCTGCGCAGCTGGATGATCTGCTCCTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_139248 unedited
GTACAGCTATGNNACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTAAAA
GCATATTCACATTTATCAAACATCTCATAGATGTGGCACCTATGGGATTTCAAAAAACCC
TTCATAGATTTTTGCCTCCCAAACCCACACAGCAGCCCCATGAGGTAGACGTCAGTTTCG
TTCCCTTCTACGTGTGGGAACTGGAGGAATGTGGCACGGAGAATGCAGAGTTGAGTCCAC
GGTGAGGCCTCCAGTCCGTCCTTCCCTTGAAGATGCTTGACCCGCAGCCGCGATGGGCAG
AACCACCCGCGTGACAGGCAGCAGAATTGACAGGTCGGAACAAGGGAGGCCCCAGGACAC
AGCAGACACAGCGCTGCGCTGCTGCGAGCCTGGCTATTTCTGACTTGCCCTAGTTAGGGG
CTCCTTCCCAGGATCGTTTTATAATCACAAGGTTGTTTGATGTACAATGTGACATCCATA
GGACGCTACTGAAAAAAGCCTTGGTTTTTTTCATACTTTTTCTGCCTTGCAGAAAGGTGA
GGTGAAGCTTTCAAACAGCCTGTGGTTGTAGCTTTCTTTCTATTATTTATGGCCATGTGT
CCTGGCAACAGTTACAACTGCAACTCTGGGCAAAGAATAGGTTGGAAGACTGTTTCAACG
TTTTCCATCAGGACAAGATCATACCGACACAGCTGAGGCCTTGGGCCTATTAGAGATCCT
GTAGAGAACATCAAGGAAATTGCAGCCACTTTATCCAGATCTTGATTAAATCTTGCAAGT
AGACTCACTTGGTGATATTTCTGAAATGTGGTGGGTTCATGATTGATTTTGGATTCTGTG
GTGTTNTCAGCTTTGTCTCTCATTTGATGGTNATGTCNCCTCTTCTACATTCTTGTTTCA
TGTTATAATATCCCNAAGTAATGATACATGCA

Restriction Sites: NotI-NotI

ACCN: NM_139248

Insert Size: 3000 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_139248.2, NP_640341.1
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
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]