

Product datasheet for **SC102726**

Lipin 3 (LPIN3) (AK092916) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lipin 3 (LPIN3) (AK092916) Human Untagged Clone
Tag:	Tag Free
Symbol:	Lipin 3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK092916, the custom clone sequence may differ by one or more nucleotides

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TTTCAGGCTGAATGACAAGACTCCGCGATGCTTCTCGGCCTGGGCTGCACAACGGAATCTACCAGGGAGG
TTTTAAAAACACTGGTACTTGCTGGAGGTGGTGGCGCCTGTCTGTAATTGCAGCTGCTCCAGAGGCTGAG
GCGGAGGATTGCTTGAGCCCAAGAGTTTCGGTTTATTTGCTTTTTCAGAGTCTTGCTCTTGCCAGGCTG
GAGTGCAGTTCCATGTTCTCGGCTCACTGCCTCAGCCTCCCAAGTAGCTGGGATTACAGGTGCATACAAC
CAGGCCTGGCTGATCTTCGTATTTTATAGAGATGGGGTTTCACCATGATGGTCAGGCTGGTCAAGATC
TCCTGACCTCAAGTGATCTGCCGCTCGGCTCCCAAGTGCTGGGATTACAGACATGAACCACAACAC
CTGCCGAGCCAGGTGTTTTGAATCCAGCACGGGCAATGGCAAGACCCTGTCCCAACAAACAAAAAACA
CTGGTGCCTGAGGCCACCCGAGAGATTCTGATTGAGTTGATTGGATTGAATTATCTTTAAATTTT
GGATGTGAATTTTTTTTTTTTCTTGAATGGAGTTTCACTCTTGTTCCCGAGGCTGGAGTGAACGGG
ACGATCTTGGCTCACGCAACCTCCGCTACTGGGTTCAAGCCATTCTCCTGCCTCAGCTACTTGGGAGG
CTGAGGTCGGAGGATCGCTGGAGCTTAACCTTGAGGTCGAGGTTGCAGTGAGCCGAGATTACATCACTGC
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TCTTCTCAAGCCTCTTTTTACCCATGGGTGGAATGGTGCCCTGGACCCAGGCCACGAGGCTTTT
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CACACCCTTGGGCGTGACCTTGTCTCCAGCGCACAGGCACGGGTACAGTTTGCCCTGTAGTAGTAA
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TGTCTTTTGA AAAATGAAAAACACATTACTTTGAACAGCCAAGAAAAAATTGCAATTTATTAAGATTCA
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5' Read Nucleotide Sequence:

>OriGene 5' read for AK092916 unedited
 GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCAGCAACAACAAC
 AACAAAGGCTGGGCACCTGGCTCATGCCTGATTCCAGCAGTTCGAGATCAGCCTGGGC
 AACATGGTGAGACCCTATCTCTACAAAAATAAAAAATGAAATGAGCTGGGTGGGTGGCG
 CATGCATGCCTGTGGTCCCAGCTACTTGGGAGGCTGAGGTGGAAGATTGCTGGAGCTTA
 ACCTTGAGGTCAAGGTTGCAGTGAGCCGAGATTACATCACTGCACTCCAGCGTGGGAGAC
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 TTAATAAAAAAATTTAATAAACTTAAAAAATATATATCCACAGATGCAGGTGAAGAACCT
 GTTGCTCTCCTCAAGCCTCTTTTTCACCCATGGGTGGAATGGTGCCCTGGACACCCAGG
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 CTGTCCCCGAGTTCCCAGTCTGTCAAAATCCAACCTGGTCTCCAGGCCAGGGCAAAT
 GCCACCTCCTCCATGAAGCCTGCCACATCCTTTGCACACCCTGGGCGCTGACCTTGTTT
 TCCCAGCGCACAGGCACGGGTACAGTTTGCCCTGTAGTAGTAAGTCAAGCACAACGCA
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 TTGAGTTTCATTCCCAGCTTCTCTTTTCTGGCTTAAAAATTTCTCTAGGATTAAGTCC
 CACTCATGCTNTNCTTCTCAATTNCAAAGAGTATGGTCAGAGCCAGCACACACCCTCC
 CATGGTGGGGGGGGGCCAGCCTGTGCGGGGTGCGGGTCCATCTTTTGAAGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for AK092916 unedited
 NGGTATGACTAAGNACCGCGGCCGATTCTAGNGATCGATTTTTTTTTTTTTTTTTTGC
 TTTCGAAGTACAACGCTTTATTGAATCTTAATAAATTGCAATTTTTTTCTTGGCTGTTCA
 AAGTAATGTGTTTTTCTTTTTTCAAAGACACTATGGATGTCTACTTTGCACGCTGCGAT
 TGGGAGAGCTGTCCCGCTGCATGCGTTCCTCTGTAATTCCTCAGAGCTCACATACGTA
 CCTCTCTCACGAGTGAAGTCAAGTTTCCATTGTTTTGCTTTATTCTATCATTTGCTTTG
 TGGTTTTGCTGTAATATTGAAATCTTAATCATCATCGAGAGGCACAGCCAAGCTTTCCA
 GCTCTCCACCCCGTGGCCCATCCAAGTCTGTTTCATCTGGTAACCTCTGTTGTCTGGGAC
 GGCAGCAAGAAGATGCCGGGGCTTGCTGGAGTCTGGCAGAGGAGTGCCACTCACTTTT
 GCCTAGGGTCCAGTTGGGGCTTAAAAAATTTGGAGAGAAGAGTAATGAGGATTTTTTG
 TGTTTCTAGACATTTTATGCATCTATTTTGTAAATCACCTTCGCTAACTTTACCAA
 GCACCTTTGAGCACAGTGGAACCTCAGAAGCACAAACAGCCTAACCCAGAAATCTCAGGTG
 GCACAGCTAGAAATTGAGTCCCTTCTAGGACACTGGCGGTGGCTTCAGGGTGACCACT
 CAGTGCCACCGGGTTGGCATTGGTGTTACAGACAGGCCTCTGAAGACAAACCGAGACCC
 CAGCGGCCCTCAAACTAAGCAAGGATCTTTTTTCTGTCTGCGCTCCCTGGGGCAGGTCA
 AAGGTGGACCCGCCCAGTGTGGTCAATTCCTTCGAAAGATGGGACCGCACCCCGCCACA
 GGCTGGCCCCCCCCACCATGGGAAGGTGGGT

Restriction Sites:

NotI-NotI

ACCN:

AK092916

Insert Size:

2000 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:	AK092916.1
RefSeq Size:	2264 bp
RefSeq ORF:	2264 bp
Locus ID:	64900
Cytogenetics:	20q12
Gene Summary:	The protein encoded by this gene is a member of the lipin family of proteins, and all family members share strong homology in their C-terminal region. This protein is thought to form hetero-oligomers with other lipin family members, while one family member, lipin 1, can also form homo-oligomers. This protein contains conserved motifs for phosphatidate phosphatase 1 (PAP1) activity as well as a domain that interacts with a transcriptional co-activator. Lipin complexes act in the cytoplasm to catalyze the dephosphorylation of phosphatidic acid to produce diacylglycerol, which is the precursor of both triglycerides and phospholipids. Lipin complexes are also thought to regulate gene expression as transcriptional co-activators in the nucleus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]