

Product datasheet for **SC337577**

Lipin 3 (LPIN3) (NM_001301860) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lipin 3 (LPIN3) (NM_001301860) Human Untagged Clone
Tag:	Tag Free
Symbol:	Lipin 3
Synonyms:	dj620E11.2; LIPN3L; SMP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001301860, the custom clone sequence may differ by one or more nucleotides

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ATGAACACGTGGGGCAGCTGGCGGAGACGGTGTGTTGGGACGGTGAAGGAGCTGTACCGGGGCTGAACC
CAGCCACACTGAGCGGCGGCATTGACGTGCTGGTGGTGAAGCAGGTGGACGGCTCGTTCCGGTGCTCACC
CTTCCACGTGCGTTTTGGCAAGCTGGGCGTCTCGGTCGCGGGAAGGTGGTAGACATTGAGCTCAAT
GGGGAGCCTGTGGACTTGACATGAAGCTTGGGACAGCGGGGAGGCCTTCTTTGTTTCAGGAGCTGGAGA
GCGATGATGAACATGTGCCTCCCGGCTGTGCACCTCACCCATCCCTTGGGGGGTCTGTCTGGCTTCCC
CTCGGACTCCCAGCTGGGCACTGCCAGTGAGCCTGAGGGCCTCGTCATGGCAGGCACGGCCTCCACTGGG
CGGAGGAAGAGGCGTCGAGGAGGAAACCAAGCAGAAAGAGGATGCAGTGGCAACTGATTCTAGTCCAG
AGGAACTGGAGGAGGCGCTGAGAGTGAGCTATCCCTGCCGAAAAGCTGAGGCCAGAGCCCCAGGCAG
TGTCAGTTGGAAGAGAAGTCTTCACTGCAGCCAAAGACATCTACCCCTACTCGGATGGCGAGTGGCCC
CCCCAGGCCAGCCTCTCAGCAGGTGAGCTAACATCCCCTAAGAGCGACTCGGAGCTGGAGGTGCGGACCC
CGGAGCCAGTCCCCTAAGAGCCGAGTCCACATGCAGTGGGCCTGGGGGAGGCTGCCTAAGGTGGCCAG
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CCCAGCACTCCCTCTACCTCTGTGGCTGGCGGCTGGACCCCTTTGGGACTCCCAATCCAGCAAACAGAGG
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AGAGGAAAGCAAGACTCAGAGCTCTGGGACATGGGCCTCCCTCTGCCTCCAAGTCATGGAGCTGGGCC
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CCTCACAAAAACCCCGGACTTTTGATGACCCAAACCTAGTGGTGAAAAATCAATGGAAAGCATTATAAC
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CCTGGCCGAGGAGCGCAGTGCCCAAGGAGAAGACTGCAGCCAAGGAGCAGCAGGGGGAAGACAGAA
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CTCCACCCTCCACTCCTACCTACAAGAAGTCCCTCCGCCTCTCCTCCGATCAGATCCGGCGCTGAACCT
GCAAGAAGGTGCCAATGATGTGGTCTTACGCGTGACCACTCAGTACCAGGGCACCTGCCGCTGCAAGGCC
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ATGCTCTGGGCCATATCCTGCCCCAGCTGGGGAAGACTGGACACACCAGGGCATCACCAGTCTCTATCA
CAAAATCCAATAAATGGGTACAAGTTCCTGTACTGCTCGGCGCGGGCCATTGGCATGGCGGACCTCACC
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GCAGCCTCTTCTGCCCCTCCACAGAGAGGTGATCGAGAAGAAACAGAGGTGTTCAAGGTGCGCTGCCT
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TCATCCAGGAGCTCATAAAGAACCACAAATCCACGTATGAGCGGCTTGGTGAAGTGGTCGAGCTCCTCTT
CCCACCTGTGGCCGTGGCCCCAGCACAGACCTGGCCAACCTGAATACAGTAACCTCTGCTACTGCGG
GAGCCACTGCCTGCTGTGGACCTTGATACCCTGGACTGA

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Restriction Sites: SgfI-MluI

ACCN: NM_001301860

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:	<u>NM_001301860.1, NP_001288789.1</u>
RefSeq Size:	4463 bp
RefSeq ORF:	2559 bp
Locus ID:	64900
UniProt ID:	<u>Q9BQK8</u>
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] Transcript Variant: This variant (1) represents the longer transcript and encodes the supported protein.