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Product datasheet for SC305060

Lipin 3 (LPIN3) (NM_022896) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lipin 3 (LPIN3) (NM_022896) Human Untagged Clone
Tag:	Tag Free
Symbol:	Lipin 3
Synonyms:	dJ620E11.2; LIPN3L; SMP2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF sequence for NM_022896 edited
GGCGGCCGCGAATTCATGAACTACGTGGGGCAGCTGGCGGAGACGGTGTTTGGGACGGTG
AAGGAGCTGTACCGGGGCCTGAACCCAGCCACACTGAGCGGCGGCATTGACGTGCTGGTG
GTGAAGCAGGTGGACGGCTCGTTCCGGTGCTCACCCTTCCACGTGCGTTTTGGCAAGCTG
GGCGTCCTGCGGTCGCGGGAGAAGGTGGTAGACATTGAGCTCAATGGGGAGCCTGTGGAC
TTGCACATGAAGCTTGGGGACAGCGGGGAGGCCTTCTTTGTTCAGGAGCTGGAGAGCGAT
GATGAACATGTGCCTCCCGGCCTGTGCACCTCACCCATCCCTTGGGGGGGTCTGTCTGGC
TTCCCCTCGGACTCCCAGCTGGGCACTGCCAGTGAGCCTGAGGGCCTCGTCATGGCAGGC
ACGGCCTCCACTGGGCGGAGGAAGAGGCGTCGCAGGAGGAAACCCAAGCAGAAAGAGGAT
GCAGTGGCAACTGATTCTAGTCCAGAGGAACTGGAGGCAGGCGCTGAGAGTGAGCTATCC
CTGCCGGAAAAGCTGAGGCCAGAGCCCCCAGGTGTCCAGTTGGAAGAGAAGTCTTCACTG
CAGCCCAAAGACATCTACCCCTACTCGGATGGCGAGTGGCCCCCCCAGGCCAGCCTCTCA
GCAGGTGAGCTAACATCCCCTAAGAGCGACTCGGAGCTGGAGGTGCGGACCCCGGAGCCC
AGTCCCCTAAGAGCCGAGTCCCACATGCAGTGGGCCTGGGGGAGGCTGCCTAAGGTGGCC
AGAGCTGAGCGGCCCGAGTCCTCAGTGGTCCTTGAAGGCAGAGCTGGGGCAACCTCTCCT
CCTCGGGGAGGACCCAGCACTCCCTCTACCTCTGTGGCTGGCGGCGTGGACCCTTTGGGA
CTCCCAATCCAGCAAACAGAGGCTGGTGCCGACCTTCAGCCTGACACAGAGGATCCCACT
CTAGTGGGTCCCCCTCTCCACACCCCAGAGACAGAGGAAAGCAAGACTCAGAGCTCTGGG
GACATGGGCCTCCCTCCTGCCTCCAAGTCATGGAGCTGGGCCACTCTGGAGGTTCCAGTT
CCCACCGGGCAGCCAGAGAGGGTCTCCAGGGGGAAAGGCTCCCCAAAGAGAAGCCAGCAC
CTGGGCCCCAGTGACATCTACCTGGATGACTTGCCCTCCCTGGACTCTGAGAATGCAGCG
CTTTACTTCCCCCAAAGTGACTCTGGGCTGGGGGCCAGAAGATGGAGTGAACCCAGCAGT
CAGAAGTCCCTGAGGGACCCCAACCCTGAACATGAACCTGAACCCACTCTGGACACAGTG
GATACAATAGCACTGTCCCTCTGTGGTGGACTGGCTGACAGCCGGGACATCTCCCTAGAG
AAATTCAACCAGCACAGCGTCTCTTACCAGGACCTCACCAAAAACCCCGGACTTTTGGAT
GACCCAAACCTAGTGGTGAAAATCAATGGAAAGCATTATAACTGGGCTGTGGCTGCCCCC
ATGATCCTCTCCCTGCAAGCCTTCCAGAAAAACTTGCCCAAGAGCACCATGGACAAGCTG
GAGAGGGAGAAGATGCCCCGGAAGGGTGGGCGATGGTGGTTTTCCTGGCGACGCAGGGAC
TTCCTGGCCGAGGAGCGCAGTGCCCAGAAGGAGAAGACTGCAGCCAAGGAGCAGCAGGGG
GAGAAGACAGAAGTCCTGAGCAGTGATGACGATGCCCCAGACAGCCCTGTGATCCTGGAG
ATCCCCTCCTTGCCACCCTCCACTCCACCCTCCACTCCTACCTACAAGAAGTCCCTCCGC
CTCTCCTCCGATCAGATCCGGCGCCTGAACCTGCAAGAAGGTGCCAATGATGTGGTCTTC
AGCGTGACCACTCAGTACCAGGGCACCTGCCGCTGCAAGGCCACCATCTACCTGTGGAAA
TGGGACGACAAGGTGGTCATCTCTGACATCGACGGCACCATCACCAAGTCAGATGCTCTG
GGCCATATCCTGCCCCAGCTGGGGAAAGACTGGACACACCAGGGCATCACCAGTCTCTAT
CACAAAATCCAACTAAATGGGTACAAGTTCCTGTACTGCTCGGCGCGGGCCATTGGCATG
GCGGACCTCACCAAGGGGTACCTGCAGTGGGTGAGCGAGGGGGGCTGTAGCCTCCCCAAG
GGCCCCATCCTTCTGTCTCCCAGCAGCCTCTTCTCTGCCCTCCACAGAGAGGTGATCGAG
AAGAAACCAGAGGTGTTCAAGGTCGCCTGCCTGAGTGACATCCAGCAGCTGTTTCTGCCC
CACGGACAGCCCTTCTATGCTGCCTTTGGGAATAGGCCCAATGATGTCTTTGCCTACCGG
CAGGTGGGCCTGCCTGAGTCACGCATCTTCACAGTCAACCCCCGGGGAGAGCTCATCCAG
GAGCTCATAAAGAACCACAAATCCACGTATGAGCGGCTTGGTGAAGTGGTCGAGCTCCTC
TTCCCACCTGTGGCCCGTGGCCCCAGCACAGACCTGGCCAACCCTGAATACAGTAACTTC
TGCTACTGGCGGGAGCCACTGCCTGCTGTGGACCTTGATACCCTGGACTGAGTCGACTGC
AGAGGCCTGCATGCAAGC

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_022896 unedited
NGAGGTCAAATTTTGTATACGACTCATATAGGCGGCCGCGNATTCATGAACTACGTGGGG
CAGCTGGCGGAGACGGTGTTTGGGACGGTGAAGGAGCTGTACCGGGGCCTGAACCCAGCC
ACACTGAGCGGCGGCATTGACGTGCTGGTGGTGAAGCAGGTGGACGGCTCGTTCCGGTGC
TCACCCTTCCACGTGCGTTTTGGCAAGCTGGGCGTCCTGCGGTCGCGGGAGAAGGTGGTA
GACATTGAGCTCAATGGGGAGCCTGTGGACTTGCACATGAAGCTTGGGGACAGCGGGGAG
GCCTTCTTTGTTCAGGAGCTGGAGAGCGATGATGAACATGTGCCTCCCGGCCTGTGCACC
TCACCCATCCCTTGGGGGGGTCTGTCTGGCTTCCCCTCGGACTCCCAGCTGGGCACTGCC
AGTGAGCCTGAGGGCCTCGTCATGGCAGGCACGGCCTCCACTGGGCGGAGGAAGAGGCGT
CGCAGGAGGAAACCCAAGCAGAAAGAGGATGCAGTGGCAACTGATTCTAGTCCAGAGGAA
CTGGAGGCAGGCGCTGAGAGTGAGCTATCCCTGCCGGANAAGCTGAGGCCAGAGCCCCCA
GGTGTCCAGTTGGAAGAGAAGTCTTCACTGCAGCCCANAGACATCTACCCCTACTCGGAT
GGCGAGTGGCCCCCCCAGGCCAGCCTCTCAGCAGGTGAGCTAACATCCCCTAAGAGCGAC
TCGGAGCTGGAGGTGCGGACCCCGGAGCCCAGTCCCCTAAGAGCCGAGTCCCACATGCAG
TGGGCCTGGGGGAGGCTGCCCTAAGTGGCCAGAGCTGAGCGGCCCGAGTCCTCAGTGGTC
CTTGAAGGCAGAGCTGGNGGCACCTCTCCTCCTCCGGGGAGACCCAGCACTCCCTT
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Restriction Sites: Please inquire

ACCN: NM_022896

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).

OTI Annotation: The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

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_022896.1, NP_075047.1

RefSeq Size: 4464 bp

RefSeq ORF: 2556 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]