

Product datasheet for MC204460

Lpin1 (NM_015763) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lpin1 (NM_015763) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lpin1
Synonyms:	4631420P06; fld; Kiaa0188; Lipin1; mKIAA0188
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC042462

```

CCTCTTTGGTTCAGACAATGAATTACGTGGGGCAGCTGGCCGGCCAGGTGTTTGTGACGGTGAAGGAGCTC
TACAAGGGACTGAACCCCGCCACGCTGTCGGGATGCATCGACATCATTGTCATCCGGCAGCCCAATGGCA
GTCTGCAGTGCTCCCCTTTCCACGTCCGCTTCGGCAAGATGGGTGCTCCTCCGCTCCCGAGAGAAAGTGGT
GGACATAGAAATCAATGGGGAGTCCGTGGATTTGCACATGAAGTTGGGAGACAACGGAGAAGCATTTTTTT
GTTCAAGAGACTGACAACGATCAGGAAATCATCCCATGTACCTGGCCACGTCCCCATCCTGTCAGAAG
GAGCTGCGAGAATGAAAAGCCAGCTGAAGAGGAACTCTGTGGACAGAATCAGGTGCCTGGATCCCCTAC
AGCTGCCAGGGCCTGCCTCCACGCGACACCCCATCCACTGGTTCTCTGGGAAGAAGAGAAGGAAAAGG
AGGAGGAAGGCCAGTTGGACAATCTCAAAGAGATGACAATGTCAACACATCTGAGGATGAGGACATGT
TTCCCATAGAGATGAGCTCGGATGAGGACACAGCACCGATGGATGGAAGCAGAATCTTCCCTAATGATGT
ACCACCATTCCAAGATGATATTCTAAGGAAAACCTCCCTCGATTTCAACGCACCTCCAGTCAGCATCG
TACCCAGTTCGGACAGAGAATGGTCCCCAGCCCGAGCAGCCTGGTAGATTGCCAGAGGACTCCCCTC
ACCTGGCCGAGGGAGTTCTCTAGCTCTGTCTCTGCACTTCCATGCTTCGAAAGTCC
TTCAGGCTCCCGCCCTCAACACCAAAAAGTGACTCTGAGCTGGTCAAGTCTGCAGACAGGTTGACG
CCAAAGAATAACCTGAAATGCTCTGGCTGTGGGTGAATTGCCACAGGCTGCAAAGTCTCTTCTCCAC
ACAAGATGAAAGAGTCCAGCCCCTAGGGAGCCGGAAGACTCCTGATAAAATGAATTTTCAGGCCATTCA
CAGCGAGTCTTCAGATACTTTTAGTGACCAGTCGCAACAATGGCCCGGGGACTGCTCATCCACCAGAGT
AAGGCCAGACGGAATGCAGTTTGTGAACGAGGAGGATCTCGAGTCCTTGGGGGCGCAGCCCCACCTT
CACCCGTGGCCGAAGAGCTCAAGGCCCATATCCCAACACCACAGTCGTCGAGCAAGACAGATTTCC
TTCCAGGAAGAAAAGATAAACGGAGCCGACACCTTGGAGCTGATGGTGTATCTGGACGACCTCACGGAC
ATGGACCTGAAGTGGCAGCCCTGTATTTCCCAAGAATGGGGATCCTGGGGGGTCCCCAAACAAGCCA
GTGACAACGGAGCCAGGTCAGCCAACAGTCACCACAGTCGGTGGGAGGCTCGGGCATCGACAGTGGTGT
GGAGAGCACCTCCGACAGCCTGAGGGACCTGCCATCCATCGCCATCTCCCTCTGCGGTGGCTCAGTGAC
CACAGAGAGATCACCAAAGATGCATTTTGAACAAGCCGTGCATATCAGCAATTTGCCGACAACCCTG
CTATCATCGATGACCCCAACCTCGTGGTCAAGGTTGGCAATAAGTATTACAACCTGGACAACAGCAGCTCC
TCTACTTCTGGCGATGCAGGCTTTCCAGAAACCTTTGCCAAAGGCCACTGTGGAATCCATCATGAGAGAT
AAGATGCCCAAAAAGGGAGGAAGATGGTGGTTTTCTGGAGAGGAAGAAATGCCACAATCAAAGAGGAAA

```



[View online »](#)

GCAAGCCTGAACAGTGCCTGACTGGGAAAGGCCACAATACCGGAGAGCAGCCTGCCAGCTTGGCCTGGC
 CACCAGGATAAAGCATGAGTCATCCTCCAGTGATGAAGAGCACGCAGCCCAAGCCATCAGGTTGAGC
 CACCTCTCTCTTGTCCAACGTCAGCTACAAAAAGCCCTGCGGCTCACGTCCGAGCAGCTGAAAAAGCT
 TGAAGTTGAAGAACGGCCCAATGATGTGGTGTTCAGTGTCACTACCCAGTACCAGGGCACCTGTGCTG
 CGAGGGCACCATCTACCTGTGGAATTGGGACGACAAAAGTCATCATCTCAGATATTGATGGGACCATCACA
 AGGTCTGATACTTTGGTCACATTTTGGCCACGCTGGGAAAGGATTGGACTCACCAGGGCATTGCAAAGC
 TGTACCACAAAGTAAGCCAGAATGGCTACAAGTTCTCTATTGTTCCGACAGTCCATTGGGATGGCGGA
 CATGACGAGGGGTACCTGCACCTGGGTCAACGAGAGGGGCACGGTGCTTCCACAGGGCCCGCTTCTGCTC
 AGCCCCGAGCAGCCTTCTCCGCTTGCACAGAGAAGTGATTGAAAAGAAGCCAGAAAAGTTCAAAGTCC
 AGTGTGGTACAGACATCAAGAACCTGTTTTTCCAAAACACAGAACCCTTCTATGCTGCTTTTGGAAACCG
 GCCTGCTGATGTGATTCTACAAGCAAGTGGGAGTGTCCCTGAATAGGATCTTCACTGTGAACCCCAAG
 GGTGAGCTGGTGCAGGAGCATGCCAAGACCAACATCAGCTCGTACGTGCGGCTCTGCGAAGTGGTCGATC
 ACGTCTTCCATTGCTAAAGAGAAGCCATTCTGTGACTTCCCCTGTTCCAGACACTTTCAGTAACTTCAC
 CTTTTGGAGAGAGCCACTGCCACCTTTTAAAACCAGGACATGCATTAGCCTCAGCTTGACGCGACCGA
 GCATTAAGGATAGGTTGTGGGACCCTGGAGCTGCTGGGAAGGCTGATATGTGGCCATCTGCCTAAGAG
 AGAAGCATTTCTCCCTCGCTCGCTCGCTCGCTCGCTCGCCCCAGGGTGACACTTCTAAGCATGGAGGGC
 GGAGAGAGGCTGCATCTCATCCATAGGCTGCAAGAGGATTGGGTGCACTAGGAGTGTGCAGAGCAGCCC
 TCTGTCTGGGTTAGCACACGTCATGCTGCACCCTCCAGTCCAGTCTGCTCCAGCAATTAGTTAATGTGC
 AATACGGGTGATGACCCCTTATCAGCAGGCAGGCCACCTGAGAGCCTGTCTCAGTATCACTGTGCCCTA
 CCCCCTGGAACCTGATGTGCGTAGGGATCGGTAGCATCAGGGACACATTTCCATGACAGAGACATCCAT
 GCCACCTTCTGCACACAAGCTGTGTCGAGTCTAAGTGAAGGGAACATGGGCTCGTGGTCTCAGCC
 CTAGCCTTGGCTTTGACTTTTTAGACGTTCCCTGTCAGTATTGCCAACTAGTCTCACTTTAGGTGATAA
 GGCTTTTAAATGCTTTGGTTAAAGGTGGCTGTGACGCAGTGCATCTCTCCCATTCATAGCTCAG
 GGCTGGGCTATTTATGCCTTAAACGCATCTGCAGCAGGCATTTCCCTAGCGTGCAGTGTCTAGCTCTCCGT
 AACTGCAATGCCTTACCTTACAAGGAGTCCCTAAGGCAGCGTGTGTCGCGGCATCTCAGCACCTTCT
 GCGTCTGCTACCCAGCAAGGAGGAGCCACTAGTGTGACTCAGCAGCACTTACGCCACCAGGAAGGAT
 GCCGCTAAAGACACTGGTTGTTTTTTTTAAGAAACATAGTTTCTGGAAGTTAAATATTTTTCTTTGACG
 ATATTATTTATTTCTTTACTGTCAGTGGGCTGCTGTTGTGAGCATCCTAGCCAGATCCTTAGGCTTATAG
 CCGTACATGAATGCATTAAGGTTAAGTGTGCTAGACAATCAAAGAGCCTTATTCTGTGGATGTCACACT
 CTGATCTTCTAGAATCTCCAATCACTCATTTTTCTTAGTTTTTTTTCCCCCACAGTCTAGGGCAAGA
 AAAAAAAGTAATAATTTGAGCAATGTTCTTAAAGCTGATAGAAGTTGCTGTGAAGTGTCTCAGAACAT
 GTGAAAAATGAAAAGTATTTTGCTAAAAGAGTTGCTTTACTTTGAAAATATTATTTTTCTTAAAGGTTGT
 TTTACTCCAAAGACAGAAAGATCTTTCTATTTAAATTTCAATTGTTAGGGCCAGAGGAGACAGGAACAAA
 AAAAAAAGGAAAAGATAGAAAAGAGGTTAAAAAAGAAAAAGCAGTAGAATGGACTGTTACTCTTTCT
 GTGAAAGAAAACCTAGAGTCACTGCCCTGTAGTCACTGGGCTCTGTTAAGGTCTCATGTGGTCCACATA
 GTTACAGGAATGGAATGAAAGCCACTGTATCTGCTGTGGGCGCCCACTGATGGAGAACTCGGCCCTG
 AGTGTGTGGCTCCCTCTGGGAGTCAGGAAAGCCATTAGCTCCTGGCTTGTCTCTCGTACCTTTGGAG
 GCCATGGTAACCTTCTGCCACCAGGTGGTTTTGTGTGATTTTTGATTGCTGTGGACTGTATACGAGCT
 CACTGGCCTGCAGAGGTTACGGCCGCTCCCTCATGCCAGGGGAAGCTTGGCATCTCTTTTCAAATG
 CCTCTGCAGCCTGCTGTCCAGGTGGCTCCCTGATGCCATGTTAGGACAGAGCCAGAGTCTATAGCCAAG
 GCTGGTCTACAGTGCACCATCTTAGACATACAGCAGTCCCTCCACCTGGCTTGGGAACCTAGTTTTGATA
 TACCTTAAACTTCCCTGTCACTCTACCCTGAAACAGAGCACACCTCCACAAAACCACTCTATGATCT
 CTGTGAAAATCTTCAGGAGCCCTGTCCAGGCAAGTGTGGAGCTCACTGTTAGGCTCCCTGTGAGATC
 CAAATGAGAGCTGCACCCCGTTCTCTCAAGTTGCTTATTTGCATCTGCCTTAAACCCAGAGGCCCCAA
 GGTACAGTGTGTAATACTATATGGGTACCATACATTTCAAAGTTGCTCATGGAAATGAGCGACTCGCTC
 CATAGTAACATGCTCCTCAAATGGCGATCCACATGATGAAGGAGAACCACCTGGCACATCTGAGACAGG
 CTTCTGTGCTCAGATACTTTCTTTTGGATTTTCAGGTTCCGATCACTACTTCCAGAAATTTTTACTTACAA
 CGTTGGCTGTGTGTTGCAAATGCCGGTCCGATGATAAAAAAAAAAAAAA

Restriction Sites:

RsrII-NotI

ACCN:

NM_015763

Insert Size:	2775 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:	<ol style="list-style-type: none">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:	BC042462 , AAH42462
RefSeq Size:	5161 bp
RefSeq ORF:	2775 bp
Locus ID:	14245
UniProt ID:	Q91ZP3
Cytogenetics:	12 7.9 cM
Gene Summary:	<p>Plays important roles in controlling the metabolism of fatty acids at different levels. Acts as a magnesium-dependent phosphatidate phosphatase enzyme which catalyzes the conversion of phosphatidic acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis. Acts also as nuclear transcriptional coactivator for PPARGC1A/PPARA regulatory pathway to modulate lipid metabolism gene expression. Is involved in adipocyte differentiation. Isoform 1 is recruited at the mitochondrion outer membrane and is involved in mitochondrial fission by converting phosphatidic acid to diacylglycerol.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) includes an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in a longer protein (isoform b), compared to isoform a. Isoform b is also known as isoform beta. Variants 2 and 4 encode the same isoform.</p>