

## Product datasheet for **MC229040**

### Lpin3 (NM\_001199118) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lpin3 (NM_001199118) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lpin3
Synonyms:	9130206L11Rik; AA438110; AV236139; mKIAA4023
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC229040 representing NM\_001199118  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACTATGTAGGGCAGCTGGCAGAGACAGTGTTTGGAACGGTTAAGGAGCTGTACAGGGGCTGAACC  
 CGGCCACACTGAGCGGGCGCATCGATGTGCTGGTGGTAAGGCAGCGGGACGGCTCCTCCGATGCTCACC  
 CTTCCACGTGCGCTTCGCAAGCTGGGTGCTCCTGCGGTACGCGGAGAAGGTGGTGACATTGAGATCAAT  
 GGTGAGCCCGTGGACCTGCATATGAAACTGGGGGACAGCGGGAGGCCCTCTTTGTCAGGAGCTGGACA  
 GTGATGAGGAAGATGTGCCTCCTCGTCTGTGCACCTCACCCATCCCATGGGGAGGCTGTGCGGCTTTCC  
 CTCAGACTCCCAGATAGGCACAGCCAGTGAAGCTGAGGGCCTAGTCATTACAGGGCGGAGAAAGAGGCGG  
 CGAAGGAGGAAACCGAGGCGCAGGGAGGAGGATGCCGTGGACTCCAGTCTGAAGAGTTGGAGGCAGGTG  
 CGGAGAGTGAGCTGACATTGCTGAAAAGCCAACACCAGAGTCCCAAGTGTCTCAGGAGGCAGAGGAGCC  
 CTCATCGCAGCCTAAGGACATACACCCCTACTCCGATGGCGAGTGTACCCACAGGCCAACCTCTCTCT  
 GGTGACCTAATGTCCCCTAAGAGTGAAGTCAAGAGCTAGAGCTGCGGTCTTGGAGCCAGTCTCTGAGAG  
 CTGAGTCTCACATGCAGTGGGTCTGGGGCAGACTGCCTAAGGTGGCGAAAAGCTGAACGGCCTGAGTTCTC  
 GTTGATCCTTGAAAGTATGGCTGAGGCGATCTGTGCTCTTCTGAGGAGCCTAGCCCTTCTCTCTCCC  
 TCTGAGGCTGGTGTGGACACTTTGAGTCCCCCGGTGCTGCACCCAGGAGTCAAGGCTGATACATTCCATC  
 CTGCTGTGGAGGCCCATTTGTGAGGAACTGCAGTGGATTCTCTCTTGTGCCCCAGAGAGTAAGGAAAC  
 CAAGACTCAGAACTCCAGGGGTGCAGGCCACCCCTGCCACTAAATCATGGAGCTGGACTACTCCAGAG  
 AGCCATACTCCCTCTGGGCATCCACAAGTTTCCAGGGGAAAGGGTCCCTGAAGAGAAACACAGCATTGG  
 GCCCAAGTGACATCTACCTGGATGATCTACCTCCCTGGACTCTGAGAAGTACCCCTTTATTTCCCAA  
 GAGTGAGTATGGGATGGGGCCAGAAGGTGGAGTGGAGCCAGCAACCAGAAAGTCTCTGGAGAGCCCAAC  
 CCTGAGCACATAGCAGAATGCACTCTGGACTCAGTGGACAAAATAGAATTGTCCCTTTGTGGTGGACTGG  
 CTGACAACCGAGATATCTCCCTGGAGAAGTTCACCCAGCACATGGTCTCCTATGAAGACCTCACTAAGAA  
 TCCCGGGCTCCTGGATGACCCAAACCTCGTGGTAAAAAACAACGAGAAGCATTACAAGTGGGCTGTGGCT  
 GCGCCCATGATTCTTTCTGCAAGCCTCCAGAAGAAGTACCTGAGAGCACTGTGGACAAGCTGGAGA  
 AGGAGAAGATGCCCGGAAGGGTGGGCGATGGTGGTTTTCTGGAGACGCAGGGACTTCCAGCTGAGGA  
 GCACAGTCCCAGAGGGAGAAAGCCGAACCAGGAAACAGCAGGGAGAGAAGACAGAAGTCTTAAGCAGC  
 GATGACGATGTCCAGACAGCCCTGTGATCCTTGAAGTCCCCCACTGCCATCTCCACTCCAGGCTATG  
 TCCCGACCTACAAGAAGTCTTTCGTCTCTTCTGATCAGATTCGGTGTCTAAACCTGAACGAAGGAGC  
 TAACGATGTGGTCTTCAAGTGTGACGACCCAGTACCAAGGCACCTGCCGTTGCAAAGCCACCATCTACCTG  
 TGGAAATGGGATGACAAGGTGGTCACTCTGACATAGATGGCACCATCACCAAGTCGGATGCTCTGGGCC  
 ACATTCTGCCAGCTGGGAAAGACTGGACACACCAGGGCATTACTAGTCTCTACCACAAGATCCATCT  
 AAATGGGTACAAGTTCCTGTACTGCTCAGCACGGGCTATCGGCATGGCTGACCTCACCAAGGGTACTTG  
 CAGTGGGTGAGCGAGCATGGCTGTGGCCTTCTAAGGGCCCCATCTTGTATCTCCAGCAGCCTCTTCT  
 CCGCTCTCCACAGGGAGGTAATCGAAGAAAGCCGGAGGTGTTCAAGTTGCCTGCCTGAGTGATATCCA  
 GCAGCTGTTTCTGCCCAAAGACAGCCCTTCCATGCTGCCTTTGGGAACAGGCCCAATGATGTTTTCGCC  
 TACAGGCAGTGGGCCTCCCTGAGTCCCGAATCTTACAGTCAACCCCGGGGGAGCTCATCCAGGAGC  
 TCATAAAGAGCCACAAATCCACGTACCAGCGGCTCGGAGAGGTGGTTGAGCTGCTTCCACCTGTGGT  
 GCGCGGTCCAGCACAGACCTGGCCAGCCCTGAATACAGCAACCTCAGCTATTGGCGGAAGCCACTGCC  
 TATGTGGACTTTGAGGCCCTGGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001199118  
**Insert Size:** 2547 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001199118.1, NP_001186047.1</u>
<b>RefSeq Size:</b>	3396 bp
<b>RefSeq ORF:</b>	2547 bp
<b>Locus ID:</b>	64899
<b>UniProt ID:</b>	<u>Q99PI4</u>
<b>Cytogenetics:</b>	2 H2
<b>Gene Summary:</b>	<p>Regulates fatty acid metabolism. Magnesium-dependent phosphatidate phosphatase enzyme which catalyzes the conversion of phosphatidic acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.</p>