

## Product datasheet for MC224401

### Plin4 (NM\_020568) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Plin4 (NM_020568) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plin4
Synonyms:	mKIAA1881; S3-12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224401 representing NM_020568 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCAGCTTCAGGAGATGGGACCAGGGTCCCCCAAATCCAAAGGCAAGACCTTGAGCAGTTTCTTTG  
GGTCCCTGCCTGGCTTCAGCTCTGCCCGAACCTGGTGTCCACACTCACAGCTCCACCTCCACAAAGGA  
CTTACAAAACAGCAACAGACCCCTCGGGGACTCCTGCCCTCATCTAAAGTGTCCACCAACTCACAGATG  
GCAGGGGATGCAGCAGGGCTGCTCCAACCTTCTGAACAGACAGCTGGAGACAAGGACATGGGAAGTTTCA  
GTGTGACCAGCAGTGAAGATGCCTTCTCTGGGGTGTGGCATCATGGATGCTGCAAAAGGAATGGTCCA  
GGGTGGACTGGGTGCTACCCAGTCGGCCCTTGTGCGAACTAAGGAGGCAGTATCTGGAGGTGTGATGGGA  
GCAGTGGGCGTGGCCAAAGGTCTTGTCAAGGGAGGTCTTGACACTTCAAAGAATGCTCTACCAATACGA  
AGGACACAGTTACCACAGGAGTCATGGGAGCTGCAAAATGGCCAAAGGGACAGTACAGACAGGCCTGGA  
CACCACCAAGTCTGTGGTTCATGGGCACTAAGGACACAGTGGCCACAGGACTTGCCAGGGGCTGTGAATGTG  
GCTAAAGGCACCATCCAGGGTGGCCTGGACACCACCAAGTCTGTGGTTCATGGGCACTAAGGACACGGTGA  
CCACAGGACTCACAGGGGCTGTGAACGTGGCTAAAGGTGTGTCCAGGGTGGCCTGGACACTACCAAGTC  
TGTGGTTCATGGGACCAAGGACACAGTAACCACAGGACTCACAGGGCCATGAATGTGGCTAAAGGCACA  
GCGCAGATGGGTATAGACACCAGCAAGACTGTGCTGACTGGCACAAGGACACTGTATGTGCTGGGGCCA  
CAGGAGCCATTAATGTAGCTAAAGGGGCTGCCAAGGAGGCTGGACACCACCAAGTCTGTGCTCATAGG  
CACCACCAAGGATACGGTGACCACAGGGCTCACAGGGGCTGTGAACGTGGCTAAAGGTGCTGTCCAGGGAGGC  
CTGGACACTACCAAGTCTGTGGTTCATGGGACCAAGGACACGGTAACCACAGGACTCACTGGGGCCATGA  
ATGTGGCTAAAGGCACAGCACAGATGGGTCTTGGCACCAGCAAGACTGTGCTGACTGGCACAAGGACAC  
TGATGTGCTGGGCTCACAGGAGCCATTAATGTGGCTAAAGGGGCTGCCAAGGAGGCTGGACACCACC  
AAGTCTGTGCTCATGGGTACAAAGGACACAGTACCACAGGGCTCACAGGGGCTGTGAACGTGGCTAAAG  
GTACCATCCAGGGTGGCCTGGACACCACCAAGTCTGTGGTTCATGGGCACTAAGGACACGGTGACCACAGG  
GCTCACAGGGGCTGTGAACGTGGCTAAAGGTACCATCCAGGGTGGCCTGGACACCACCAAGTCTGTGGT  
ATGGGCACTAAGGACACGGTGACCACAGGACTCACAGGGGCTGTGAACGTGGCTAAAGGTGCTGCCAGG



[View online »](#)

GAGGCCTGGACTACCAAGTCTGTGGTCATGGGCACCAAGGACACAGTAACCACAGGACTCACAGGGG  
 CATGAATGTGGCTAAAGGCACAGCACAGATGGGTCTTGGCACCAGCAAGACTGTGCTGACTGGCACAAG  
 GACTGTATGTGCTGGGCTCACAGGAGCCATTAATGTGGCTAAAGGGGCTGCCAAGGAGGCTGGACA  
 CCACCAAGTCTGTGCTCATGGGTACAAAGGACACAGTGACCACAGGGCTCACAGGGGCTGTGAACGTGGC  
 TAAAGGTACCATCCAGGGTGGCTGGACACCACCAAGTCTGTGGTCATGGGACTAAGGACACGGTGACC  
 ACAGGACTCACAGGGGCTGTGAACGTGGCTAAAGGTGCTGTCCAGGGTGGCTGGACTACCAAGTCTG  
 TGGTCATGGGCACCAAGGACACAGTAACCACAGGACTCACAGGGGCTTGAATGTGGCTAAAGGCACAGC  
 ACAGATGGGTATAGACACCAGCAAGACTGTGCTGATTGGCACAAGGACACTGTATGTGCTGGGGCCACA  
 GGAGCCATTAACATGGCTAAAGGGGCTGCCAAGGAGGCTGGACTACCAAGTCCGTGCTCATGGGTA  
 CAAAGGACACGGTGACCACAGGACTCACAGGGGCCATTAACGTGGCTAAAGGGTCTGCCAAGGAGGCT  
 GGACACCACCAAGTCTGTGCTCATTGGTACGAAGGACACGGTGACCACAGGGCTCACAGGAGCCTTGAAT  
 GTGGCCAAAGGAACAGTACAGACAGGTCTGGATACTAGCCAGAGAGTGTGACAGGCACAAGGACAATG  
 TATATGCTGGGTCAGTAAATGTGGCCAAAGGTACCATCCAGGGCGGCTTGGACACCACCA  
 GTCTGTGGTCATGGGACTAAGGACACGGTGACCACAGGACTCACAGGGGCTGTGAACGTGGCTAAAGGT  
 GCTGTCCAGGGTGGCCTGGACTACCAATCTGTGGTCATGGGCACCAAGGACACAGTAACCACAGGAC  
 TCACAGGGGCCATGAATGTGGCTAAAGGCACAGCACAGATGGGTATAGACACCAGCAAGACTGTGCTGAC  
 TGGCACAAGGACTGTATGTGCTGGGCTCACAGGAGCCATTAATGTAGCTAAAGGGGCTACCCAAAGGA  
 GGCTGGACACCACCAAGTCTGTGCTCATGGGTACAAAGGACACGGTGACCACAGGACTCACAGGTGCCA  
 TTAATGTTGCCAAGGGGCTGCCAAGGAGGCTGGATACCACCAAGTCTGTGCTCTTAGGTACCAAGGA  
 CACCGTGACCACGGGGCTCACAGGGGACAGCAATGTGGCCAAAGAAACAGTGCAATGGGTCTGGATACC  
 AGCAAGAACATCCTGATGGACACAAGGACTCTATATGTGCTGGGGCCACAGGAGCCATTACTGTGGTCA  
 AAGGGGCTGCTCAAGGAGGCTGGATACTTCAACGCAGCACTCACAGGCACAATGGACACGGCCAAAGG  
 AACAGTGCAACAAGCCTGGACACCAGCAAGCATATGCTTATAGGCATGAAGGACACTGTCTGTGCTGGG  
 GTTACCAGTGCCATGAACATGGCTAAAGGTATTACATAAGAACACAGACACCACCAGAGACACCCAGTCTT  
 CTGTGCTGGCTCATTAGGTAATGTAGCCACCAATGCCATCCACACAGGTGTTACACAGTTCAGGTTT  
 ACTCTCTGGCTCTCATTCCATCATCTGTGATGAGCCTAGCATTTACAGAGCCACTAACCATGGGGTAGGA  
 CAAGCCATCCTGACTTCTACAGAGTCCCTGTGCTGTGAGACAAGCAGTCTCAGACAAATATGGCTTGG  
 GGCATGTCACAGAGCCCAGAGCTGACACCAAAACCCTTGTGTCTGGTATGGCTTCTGCTGCGCAGC  
 TACCAGGTCAGTGGAGGAGTGTGGTCAGCTGGCTGCCACAGGCTTTGCTGCACTTCTGATGAGTTGAAA  
 GGGCTGGGTGATATCTTTCAGCCATGACAACAGGAAACAGCTCAGCTGGCAGTCTCAGAGTCAGGGC  
 CCCGAGTACTCTGCTGACCGGGGAAGTACTACATCCGTCTGGGTGACCTGGCCCTAGCTTCCGCCA  
 GCGGGCCTTCAACATGCCCTGAGCCACATACAGCACAACCAGTTCCAAGCCAGGCTGCACTAGCCAG  
 CTCCAGGAGGCTTCCAGATGACAGACATGACCATGGAGGCTGCATGTGGGAAGCTGTGCAGTGACCAGA  
 GCTTGAACACCATGGTGGAGGCTGTTGGTAGCCATGAGATGCGGGCTTCCGTGGCTCAGGACAGGCTGTG  
 CACCCTCGCCATCAGCTCCATGCAGCTTACAGCAGCCTAGTAACCAGCCTGCAGGGCCTGCCAGAGGTG  
 CAGCAGCAGGCAGGGCAGGCACGGCACAGCCTCTGCAAGCTGTATGGCCTTGTGCTTCCGAGGCAGGTA  
 GTGAGCTGCAGACAGAGCAGCTGGCCCAGAGCAGTGTGGTGTGTTGAGGCCTGGCAGGGCCTGGAGGT  
 GCTGCTTGAGAAGCTGCAGCAGAACCCTCCACTCAGCTGGCTGGTGGACCCTTACCTCGATGCCTTGT  
 GGCCAGCTG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_020568

**Insert Size:**

4212 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).

<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><a href="#">NM_020568.3</a></u> , <u><a href="#">NP_065593.2</a></u>
<b>RefSeq Size:</b>	5755 bp
<b>RefSeq ORF:</b>	4212 bp
<b>Locus ID:</b>	57435
<b>UniProt ID:</b>	<u><a href="#">O88492</a></u>
<b>Cytogenetics:</b>	17 D
<b>Gene Summary:</b>	May play a role in triacylglycerol packaging into adipocytes. May function as a coat protein involved in the biogenesis of lipid droplets.[UniProtKB/Swiss-Prot Function]