

Product datasheet for **MC217271**

Plin1 (NM_001113471) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plin1 (NM_001113471) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plin1
Synonyms:	6030432J05Rik; Peri; Plin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217271 representing NM_001113471
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAATGAACAAGGGCCCAACCTGCTGGATGGAGACCTCCCTGAGCAGGAGAACGTGCTCCAGAGAG
 TTCTGCAGCTGCCTGTGGTGAGCGGACCTGTGAGTGCTTCCAGAAGACCTACAACAGCACCAAAGAAGC
 CCACCCCTGGTGGCCTCTGTGTGCAATGCCTATGAGAAGGGTGTACAGGGTGCCAGCAACCTGGCTGCC
 TGGAGCATGGAGCCGGTGGTCCGTGGCTGTCCACCCAGTTCACAGCTGCCAATGAGTTGGCCTGCAGAG
 GCCTGGACCACCTGGAGGAAAAGATCCCGGCTCTCAATACCCTCCAGAAAAGATCGCCTCTGAAGTAA
 GGGCACCATCTACCCGCCTTGAAGCGCCAGGAACAGCATCAGTGTGCCATTGCAAGCACCTCTGAC
 AAGTTCTGGGGCCACTCTGGCCGGCTGCGAGCTTGCCTGGGGATGGCCAAAGAGACAGCAGAATATG
 CCGCCAACACCCGGTGGCCGACTGGCCTCTGGAGGGGCTGATCTGGCTCTGGGAAGCATCGAGAAGT
 GGTAGAGTTCTCTGCCACCAGACAAGGAGTCAGCCCTTCTCCGGACGGCAGAGGACCCAGAAGGCT
 CCCAAGGCCAAACCAAGCCTTGTGAGGAGGGTCAGCACCTGGCCAACACTCTTTCTCGACACACCATGC
 AAACCACAGCATGGGCCCTGAAGCAGGGCCACTCTCTGGCCATGTGGATCCCGGGTGTGGCACCCCTGAG
 CAGCCTGGCCAGTGGGGCGCATCGGCAGCCATGCAGGTGGTGTCCCGGGCGCAGAGTGGGTGGGGTG
 CCCTGGCTGCACAACCTGGCAGCCTCTCAGGATGAGAGCCATGACGACCAGACAGACAGAGGGGAGAGG
 AGACAGACGACGAGGAGGAGGAAGAAGAGTCCGAGGCTGAGGAGAACGTGCTCAGAGAGGTTACAGCCCT
 GCCCAACCCGAGAGGCCCTCTGGGTGGTGTGGTACACACCGTGCAGAACACTCTCCGGAACACCATCTCC
 GCAGTGACCTGGGCACCTGGCGCTGTGCTGGGCACGGTGGGAAGGATCTGCACCTCACACCAGCCAGG
 CTGTCTCTCTACCAAAGGGAGGGCCATGTCCCTATCCGATGCCCTGAAGGGTGTACGGATAACGTGAT
 AGACACTGTGGTACACTATGTGCCGCTTCCAGGCTGTCCCTGATGGAGCCCGAGAGCGAATCCGAGAC
 ATCGATAACCTTCAGCAGAGGGCGAGCGCAAAGGGTCCGGGGCGCGCCCGCCAGCCCGGAGTCCACCC
 CGCGCCCGGGCCAGCCCGCGGCAGCTTGCAGCAGCTGCGGGGTCTCAGCGCGCCCTCTGCCCCGGCT
 GGACGACAAAACCGAGGCGTCAGCGCTCCCGCTTCTGGCTATGCCAGAGAGAAGCCTGCGCGCAGA
 GTCAGCGACAGCTTCTCCGGCCAGCGTCATGGAGCCCATCTGGGCCGCGCAGTACAGCCAGCTGC
 GCAAGAAGAGCTGA

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001113471

Insert Size: 1554 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:	<u>NM_001113471.1, NP_001106942.1</u>
RefSeq Size:	1879 bp
RefSeq ORF:	1554 bp
Locus ID:	103968
UniProt ID:	<u>Q8CGN5</u>
Cytogenetics:	7 D2
Gene Summary:	<p>Modulator of adipocyte lipid metabolism. Coats lipid storage droplets to protect them from breakdown by hormone-sensitive lipase (HSL). Its absence may result in leanness (By similarity). Plays a role in unilocular lipid droplet formation by activating CIDEC. Their interaction promotes lipid droplet enlargement and directional net neutral lipid transfer. May modulate lipolysis and triglyceride levels.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.</p>