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Product datasheet for MC217340

Plin1 (NM_175640) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plin1 (NM_175640) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plin1
Synonyms:	6030432J05Rik; Peri; Plin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC217340 representing NM_175640
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCAATGAACAAGGGCCCAACCCTGCTGGATGGAGACCTCCCTGAGCAGGAGAACGTGCTCCAGAGAG
TTCTGCAGCTGCCTGTGGTGAGCGGGACCTGTGAGTGCTTCCAGAAGACCTACAACAGCACCAAAGAAGC
CCACCCCCTGGTGGCCTCTGTGTGCAATGCCTATGAGAAGGGTGTACAGGGTGCCAGCAACCTGGCTGCC
TGGAGCATGGAGCCGGTGGTCCGTCGGCTGTCCACCCAGTTCACAGCTGCCAATGAGTTGGCCTGCAGAG
GCCTGGACCACCTGGAGGAAAAGATCCCGGCTCTTCAATACCCTCCAGAAAAGATCGCCTCTGAACTGAA
GGGCACCATCTCTACCCGCCTTCGAAGCGCCAGGAACAGCATCAGTGTGCCCATTGCAAGCACCTCTGAC
AAGGTTCTGGGGGCCACTCTGGCCGGCTGCGAGCTTGCCTTGGGGATGGCCAAAGAGACAGCAGAATATG
CCGCCAACACCCGGGTTGGCCGACTGGCCTCTGGAGGGGCTGATCTGGCTCTGGGAAGCATCGAGAAGGT
GGTAGAGTTCCTCCTGCCACCAGACAAGGAGTCAGCCCCTTCTTCCGGACGGCAGAGGACCCAGAAGGCT
CCCAAGGCCAAACCAAGCCTTGTGAGGAGGGTCAGCACCCTGGCCAACACTCTTTCTCGACACACCATGC
AAACCACAGCATGGGCCCTGAAGCAGGGCCACTCTCTGGCCATGTGGATCCCGGGTGTGGCACCCCTGAG
CAGCCTGGCCCAGTGGGGCGCATCGGCAGCCATGCAGGTGGTGTCCCGGCGGCAGAGTGAGGTGCGGGTG
CCCTGGCTGCACAACCTGGCAGCCTCTCAGGATGAGAGCCATGACGACCAGACAGACACAGAGGGAGAGG
AGACAGACGACGAGGAGGAGGAAGAAGAGTCCGAGGCTGAGGAGAACGTGCTCAGAGAGGTTACAGCCCT
GCCCAACCCGAGAGGCCTCCTGGGTGGTGTGGTACACACCGTGCAGAACACTCTCCGGAACACCATCTCC
GCAGTGACCTGGGCACCTGCGGCTGTGCTGGGCACGGTGGGAAGGATCCTGCACCTCACACCAGCCCAGG
CTGTCTCCTCTACCAAAGGGAGGGCCATGTCCCTATCCGATGCCCTGAAGGGTGTTACGGATAACGTGGT
AGACACTGTGGTACACTATGTGCCGCTTCCCAGGCTGTCCCTGATGGAGCCCGAGAGCGAATTCCGAGAC
ATCGATAACCCTTCAGCAGAGGCGGAGCGCAAAGGGTCCGGGGCGCGGCCCGCCAGCCCGGAGTCCACCC
CGCGCCCGGGCCAGCCCCGCGGCAGCTTGCGCAGCGTGCGGGGTCTCAGCGCGCCCTCCTGCCCCGGCCT
GGACGACAAAACCGAGGCGTCAGCGCGTCCCGGCTTCCTGGCTATGCCCAGAGAGAAGCCTGCGCGCAGA
GTCAGCGACAGCTTCTTCCGGCCCAGCGTCATGGAGCCCATCCTGGGCCGCGCGCAGTACAGCCAGCTGC
GCAAGAAGAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_175640

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:	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_175640.2, NP_783571.2
RefSeq Size:	1935 bp
RefSeq ORF:	1554 bp
Locus ID:	103968
UniProt ID:	Q8CGN5
Cytogenetics:	7 D2
Gene Summary:	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] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.