

Product datasheet for MR217126

Plin4 (NM_020568) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plin4 (NM_020568) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plin4
Synonyms:	mKIAA1881; S3-12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217126 representing NM_020568, codon optimized . Due to the complexity of NM_020568, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGCTTCTGGCGACGGCAGAGGTGCCCCAAAAAGCAAAGGCAAACACTGAGCTTTTCTTCG
GTTCCCTGCCAGGTTTTAGTAGCGCAGGAATCTCGTCTCCACACACACAGCACTTCCACCAAGGA
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GCTGGAGACGCTGCCGGACTTCTGCAGCCGAGCGAACAGACAGCAGGAGATAAGGATATGGGATCTTCA
GCGTCACTTCTCAGAGGATGCTTTAGCGGGGTATTTGGCATCATGGACGCTGCCAAGGGAATGGTACA
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GCAGTGGCGTAGCGAAGGGCTGGTCAAAGCGGTTGGATACCTCCAAGAATGTGCTCACGAATACCA
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CGGGGGCCATAAATGTGGCTAAAGGAGCAGCCAAAGGGGTCTGGACACTACCAAGTCCGTGCTCATCGG
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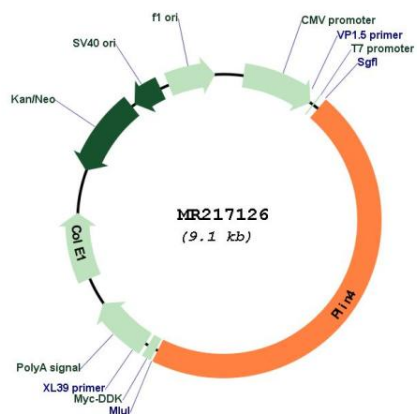
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ACGTAGCCAAAGGAACAGCTCAAATGGGCTCGGGACTAGTAAGACCGTCTGACTGGTACTAAGGACAC
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 AAATCTGTGTTGATGGGCACCAAGACACCGTTACCACAGGCCTCACCGGTGCTGTAATGTGGCGAAAAG
 GGACCATCCAAGGCGGCTTGACACTACTAAATCTGTGGTATGGGAAGTAAAGGACACCGTTACCACAGG
 ACTCACCGGCGCGTTAATGTGGCTAAGGGGACAATTACGGGCGGCTCGATAACAACCAAGTCTGTAGTG
 ATGGGAAGTAAAGACACCGTACCACCGGATTGACTGGAGCAGTCAACGTGGCCAAGGGAGCGGCGCAGG
 GGGGCTGGACACCACCAATCTGTGGTATGGGCACCAAGGATACCGTGACCCTGGCCTTACCGGCGC
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 GCGTTCTTGCCACTCCGAAACGTTGCTACTAACGCCATCCACACAGGGGTGCATACCGTCCCATCTTC
 CCTTCCGGAAGTCACTCTATCATTTGTACGAACCGTCTATTTACCGAGCCACAACACCGGCGTTGGA
 CAAGCAATTCTCACTAGTACCGAGAGCCTGTGCTGTGAAACATCATCATTCAAGTACAAAATACGGACTGG
 GGCATGTGACTGAACCCCGGGCTGATACCAAGACGCTGGTGTGAGGCATGGCTTCACTGCTGCGCGGC
 CACACGGAGCGTGGAGGAGTGGCCCAATTGGCCGCCACTGGCTTTGCTGCTCTCCAGATGAATTGAAG
 GGGCTCGGTGACATCTCCAGCCATGACCACAGAAGAGCAGGCTCAGCTCGTGTCTCTGAATCTGGCC
 CCCGAGTACTTTCTGCCAGCCGGGCTCCTATTATACGGTTGGGCGACCTTGTCCGCTCTCAGGCA
 AAGAGCCTTGAACATGCACTGTCTCATATAACAATAACCAAGTCCAAGCCAGGGCCGCACTGGCTCAG
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 CTGAAGTGCAGACGGAGCAGCTTGGCCAGAGTAGCGCGGCGTGGTTGAAGCATGGCAGGGCCTGGAGGT
 TTTGCTTGAGAAGCTTACGAGAACCACCTCTCAGCTGGTTGGTAGGGCCTTCACTTCTATGCCATGT
 GGTCAACTC

ACGCGTACGGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_020568.1 , NM_020568.2 , NM_020568.3 , NP_065593.2
RefSeq Size:	5755 bp
RefSeq ORF:	4212 bp
Locus ID:	57435
UniProt ID:	O88492
Cytogenetics:	17 D
MW:	139.4 kDa
Gene Summary:	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]

Product images:



Circular map for MR217126