

Product datasheet for **RR200782**

Plin1 (NM_013094) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plin1 (NM_013094) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plin1
Synonyms:	PERIA; Plin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR200782 representing NM_013094
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATGAACAAGGGCCGACCTGCTGGATGGAGACCTCCCTGAACAGGAGAATGTGCTCCAGAGAG
 TCCTGCAGCTGCCTGTGGTGAGCGGACCTGTGAGTGCTTCCAGAAGACCTATAACAGCACCAAAGAAGC
 CCACCCCTGGTGGCCTCTGTGTCAATGCCTATGAGAAGGGTGTACAGGTGCCAGCAACCTGGCTGCC
 TGGAGCATGGAGCCGGTGGTCCGCCGGCTCTCCACCCAGTTCACAGCTGCTAATGAGTTGGCCTGCAGAG
 GCCTGGACCACCTGGAGGAAAAGATCCCGGCTCTCAATACCCTCCGAAAAGATCGCCTCTGAAGTAA
 GGGCACCATCTACCCGCTCCGAAGCGCCAGGAACAGCATCAGCGTGCCATTGCAAGCACTTCTGAC
 AAGTTCTGGGGCCACTCTGGCCGGCTGTGAGCTTGCCTGGGGATGGCAAGGAGACAGCGGAATATG
 CTGCCAACCCGAGTTGGCCGACTGCCCTCTGGAGGGGCTGATCTGGCTTTGGGAAGCATCGAGAAGT
 GGTAGAATATCTCTGCCACCAGACAAGGTGGAGTCAGCCCTTCTTCAGGACGGCAAAAGACGCAGAAG
 GCTCCCAAGGCCAAACCAAGCCTTTTGGAGGGGTGAGCACCTGGCCAACACTCTTCTCGACACACCA
 TGACAGCCACAGCACGGGCCCTGAAGCGGGTCACTCTCTGGCCATGTGGATCCCGGGTGTGGCACCCCT
 GAGCAGCTGGCCAGTGGGGTGCATCGGCAGCCATGCAGGTGGTGTCCCGCGGCAGAGTGAGGTACGG
 GTGCCCTGGTTGCACAACCTGGCAGCCTCAAGGATGAGAACCATGAAGACCAGACAGACAGAGGGAG
 AGGAGACAGATGAGGAGGAAGAAGAAGAAGAGTCAGAGGCCGAGGAGAACGTGCTCAGAGAGGTAACAGC
 CCTGCCACCCCTCTCGGCTTCTGGTGGTGTGGTACACCCGTGCAGAAGACTCTGCAGAACCACATC
 TCGGCGGTGACATGGGCACCTGCCGCTGTGCTGGCACGGTGGGAAGGATCTACACCTCACACCAGCCC
 AGGTGTCTCTCCACAAAGGGAGGGCCATGCCCTATCCGATGCCCTGAAGGGTGTACGGATAACCT
 GGTAGACTGTGGTACACTATGTCCCGCTTCCAGGCTGTCCCTGATGGAGCCGAGAGCGAATTCCAA
 GACATCGATAATCCTCCAGCAGAGGTGGAGCGAAAGGGTGGGGTTCGGGCCCGCCAGCCAGAGTCCA
 CGGCGCGCCCGGCCAGCCCGCGCAGCTTGCAGTGCAGGGTCTCAGCGCGCCCTCTTCCCCGATCT
 GGATGACAAAACCGAGACATCAGCGCGTCTGGCCTCTGGCTATGCCAGAGAGAAGCCTGCGCGCAGG
 GTCAGCGACAGCTTCTCCGGCCAGCGTCATGGAGCCCATCTGGGCCGACGAGTACAGCCAGCTGC
 GCAAGAAGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200782 representing NM_013094
 Red=Cloning site Green=Tags(s)

MSMNGPTLLDGDLPQENVLQRVLQLPVVSGTCECFQKTYNSTKEAHPLVASVCNAYEKGVQASNLAA
 WSMPEVVRRLSTQFTAANELACRGLDHLEEKIPALQYPPEKIASSELKGTISTRRLSARNISVPIASTSD
 KVLGATLAGCELALGMAKETAEYAANTRVGRLASGGADLALGSIEKVVEYLLPPDKVESAPSSGRQKTQK
 APKAKPSLLRRVSTLANLTL SRHTMQTTARALKRGHSLAMWIPGVAPLSSLAQWGAASAMQVVSRRQSEVR
 VPWLHNLAAASKDENHEDQTDTEGEETDEEEEESEAEENVLREVTALPTPLGFLGGVVHTVQKTLQNTI
 SAVTWAPAAVLGTVGRILHLTPAQVSSSTKGRAMSLSDALKGVTDNVVDTVVHYVPLPRLSLMEPESEFQ
 DIDNPPAEVERKGSRSPASPESTARPGQPRAACAVRGLSAPSCPDLDKTTETSARPGLLAMPREKPAR
 VSDSFFRPSVMEPILGRTQYSQLRKKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

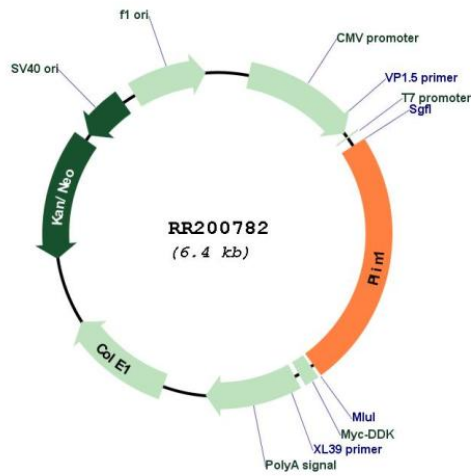
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_013094
ORF Size:	1551 bp
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_013094.1 , NP_037226.1
RefSeq Size:	2080 bp
RefSeq ORF:	1554 bp
Locus ID:	25629
Cytogenetics:	1q31
MW:	55.6 kDa
Gene Summary:	may play a role in lipid metabolism [RGD, Feb 2006]