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Product datasheet for RR207078

Plin2 (NM_001007144) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plin2 (NM_001007144) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plin2
Synonyms:	Adfp; Adrp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207078 representing NM_001007144 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCATCAGTAGCAGTGGATCCACAACCGAGCGTGGTGACGAGGGTGGCCAACCTGCCCTTGGTGAGCT CCACCTACGACCTGGTGTCCTCCGCTTATGTCAGTACAAAGGATCAGCACCCGTATTTGAGGTCAGTGTG TGAGATGGCAGAGAAGGGAGTGAGGACCGTGACCTCAGTGGCTGTGACAGGCGCACTGCCCATCATCCAG AAGCTGGAGCCACAGATTGCGGTCGCCAATACCTATGCCTGCAAGGGGCTAGACAGGATGGAGGCAAGGC TGCCTATTCTGAACCAGCCAACATCTGAGATTGTTGCCAATGCCCGAGGTGCCGTAACTGGGGCAAAGGA TGTAGTGACGACTACCATGGCTGGAGCCAAGGATTCTGTAGCCAGCACAGTCTCAGGGGTGGTGGATAAG ACCAAAGGAGCAGTTACTGGCAGCGTGGAAAGGACCAAGTCTGTGGTCAATGGCGGCATCGACACGGTTT TGGGGATGGTGCAGCTCATGAGCAGTGGAGTGGAAAATGCAATTAGCAAGTCGGAGCTGCTGGTAGACCA GTACTTGCCGCTCACTCAGAAGGAGCTCGAGATGGAAGCAAAAAAGGTGGAAGGATTTGATATGGTTCAG AAGCAAAGATACTATGAACGGCTGGAGTCCCTGTCTACCAAGATCTGCACCCGGGCCTATCATCAGGCTC TCGGCAGGATCAAAGACGCCAAACAAAAGGGCCAGGAGACCATTTCCCAGCTCCACTCCACTGTCCATCT GATTGAATTCGCCAGGAAGAATGTGCACAGTGCTAACCAGAAAATTCAGGACAAGCTCTCTGTCTCATGG GTGGAGTGGAAGAGAATCGTCGGCTACGACGACACGGACGAGTCCCATTGTGCTGAGCACATCGAGTCAC ATACTCTGTCTATGGCCCGCAACCTGACCCAGCAGCTCCACACTACATGCCAGACGCTCCTGTTCAACGT CCAAGGGTTACCACAGAACATTCAAGACCAGGCCAAACACTTGGGGGTGATGGCAGGTGACATCTACTCG GCGTTCCGCAATGTTACCTCCTTCAAGGAAGTGTCTGATGGCGTCCTCACTTCTAGCAAGGGGCAGCTGC AGAAAATGAAGGAGTCCTTAGATGAAGTTATGGATTACCTTGTTAACAACACGCCTCTCAACTGGCTGGT AGGTCCCTTTTATCCTCAGTCTACCGAGGTGGACAAGGCCAGCCTGAAGGTCCAGCAGTCTGAGCTCACA ACTCAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

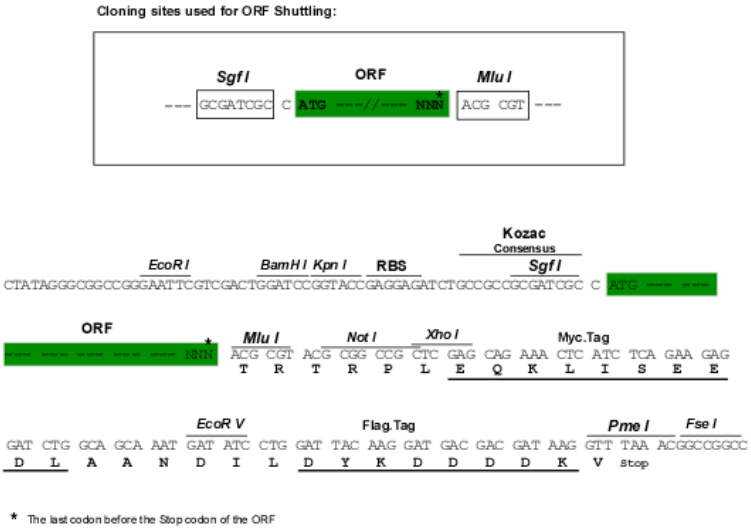
>RR207078 representing NM_001007144
Red=Cloning site Green=Tags(s)

MASVAVDPQPSVVTRVANLPLVSSTYDLVSSAYVSTKDQHPYLRSVCEMAEKGVRTVTSVAVTGALPIIQ
KLEPQIAVANTYACKGLDRMEARLPILNQPTSEIVANARGAVTGAKDVVTTTMAGAKDSVASTVSGVVDK
TKGAVTGSVERTKSVVNGGIDTVLGMVQLMSSGVENAISKSELLVDQYLPLTQKELEMEAKKVEGFDMVQ
KQRYYERLESLSTKICTRAYHQALGRIKDAKQKGQETISQLHSTVHLIEFARKNVHSANQKIQDKLSVSW
VEWKRIVGYDDTDESHCAEHIESHTLSMARNLTQQLHTTCQTLLFNVQGLPQNIQDQAKHLGVMAGDIYS
AFRNVTSFKEVSDGVLTSSKGQLQKMKESLDEVMDYLVNNTPLNWLVGPFYPQSTEVDKASLKVQQSELT
TQ

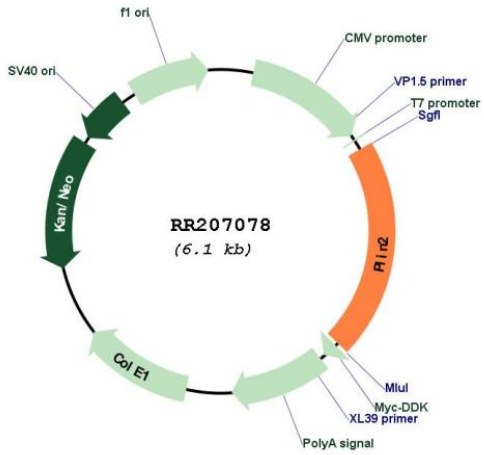
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007144

ORF Size:	1266 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:	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_001007144.1, NP_001007145.1
RefSeq Size:	1860 bp
RefSeq ORF:	1269 bp
Locus ID:	298199
Cytogenetics:	5q32
MW:	46.3 kDa
Gene Summary:	intrinsic lipid storage droplet protein; involved in transfer of lipid between lipofibroblasts and alveolar type II epithelial cells [RGD, Feb 2006]