

Product datasheet for **RR210658**

Pnliprp1 (NM_032081) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pnliprp1 (NM_032081) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pnliprp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210658 representing NM_032081
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGACCTCTGGACAGTCTCTCTTTTCTACTGGGAGCAGCTCAGGAAAAGAGTTTGTATGATA
 ACCTTGGATGCTTTTCTGACGCTGAGCCCTGGGCAGGGACAGCTATCAGGCCCTCAAACCTCTCCCATG
 GAGCCCTGAGAAGATCAACACTCGCTTCTGCTGTACACCAATGAGAACCAACTGCTTTTCAGACTCTC
 CAGCTTTCTGACCCATTGACCATTGGGGCCTCAAATTTTCAAGTTGCCAGGAAGACTCGGTTTATCATCC
 ATGGCTTCATAGACAAAGGAGAGGAAAAGTGGGTGGTTGACATGTGCAAGAACATGTTCCAAGTGGAGGA
 GGTGAAGTGCATCTGTGTGGACTGGAAGAAAGTTCTCAGACTACCTACACACAGGCTGCCAACAAATGTG
 CGAGTAGTGGGTGCCAGGTAGCTCAGATGATCGACATCCTTGTGAAAACTACAGCTACTCGCCTTCCA
 AAGTCCACCTCATTGGCCACAGCCTAGGAGCCACGTGGCCGGGAAGCAGGAAGTCGGACTCCAGGTCT
 AGGCAGAATTACAGGACTGGATCCTGTAGAAGCAAACCTCGAGGGCACTCCTGAAGAGTCCGGCTTGAC
 CCCTCGGATGCTGACTTTGTTGATGTGATTCACACAGATGCAGCTCCCTTGATCCCGTTCTTGGGCTTCG
 GAACAAACCAAATGTCAGGGCACCTTGACTTCTCCCAACGGAGGACAGAGCATGCCCGGTGCAAGAA
 GAATGCTCTGTCCAGATTGTAGACATCGATGGCATCTGGTCAGGAACCCGGGACTTTGTGGCTTGAAC
 CACCTGAGAAGCTACAAGTACTACTTGGAGAGCATCCTTAACCTGATGGGTTTCGCTGCATACCCCTGTG
 CTTCTACAAGGACTTTGAGTCTAACAAATGCTTCCCCTGCCAGATCAAGGCTGCCACAGATGGGTCA
 CTATGCCGATAAGTTTGGCCGAAGTCAGGTGACGAGCCACAGAAGTTCTTCTTGAACACAGGAGAAGCC
 AAGAAGTTGCACGCTGGAGTACCGTGTTCCTTGATACTGTCTGGAAGAATGGTCACAGGGCAAGTCA
 AAGTGGCTCTGTTTGAAGTAAGGGCAATACACGCCAGTACGATATCTTCAAGGGAATTATCAAGCCTGG
 TGCTACACATCCAGTGAGTTTGTATGCCAAGCTCGACGTGGGAACAATTGAGAAAGTCAAGTTTCTCTGG
 AACAAATCAAGTGATAAACCCAAGCTTCCCAAAAGTGGGCGCAGCCAAGATCACTGTGCAAAAAGGAGAGG
 AGCGGACGGAGTACAACCTTCTGTAGTGAAGAGACCGTGAGAGAAGACTCTGCTCACTCTCTTGCCTTG
 TGAACCTCAGACACAGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210658 representing NM_032081
 Red=Cloning site Green=Tags(s)

MLTLWTVSLFLLGAAQKQEVCDNLGCFSDAEPWAGTAIRPLKLLPWSPEKINTRFLLYTNENPTAFQTL
 QLSPLTIGASNFQVARKTRFIIHGFIIDKGEENWVDMCKNMVFVEVNCICVDWKKGSQTTYTQAANNV
 RVVGAQVAQMIDILVKNYSYSPSKVHLIGHSLGAHVAGEAGSRTPGLGRITGLDPVEANFEGTPEEVRLD
 PSDADFVDVIHTDAAPLIPFLGFGTNQMSGHLDFPNGGQSMGCKKNALSQIVDIDGIWSGTRDFVACN
 HLRYSKYYLEILNPDGFAAYPCASYKDFESNKFPCPDQGPCQMGHYADKFAKSGDEPQKFLNTGEA
 KNFARWRYRVSILILSGRMVTGQVKVALFGSKGNTRQYDIFRGI IKPGATHSSEFDAKLDVGTIEKVKFLW
 NNQVINPSPFKVGAAKITVQKGEERTEYNFCSEETVREDTLLTLLPCETSDTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

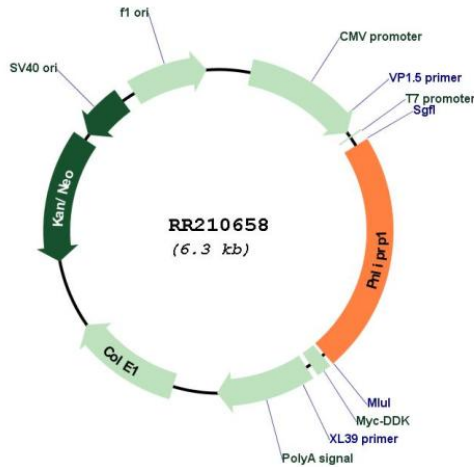
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_032081

ORF Size: 1419 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_032081.1](#), [NP_114470.1](#)

RefSeq Size: 1534 bp

RefSeq ORF: 1422 bp

Locus ID: 84028

UniProt ID: [P54316](#)

Cytogenetics: 1q55

MW: 52.4 kDa

Gene Summary: hydrolyzes dietary triacylglycerols in the duodenum; may play a role in fat metabolism [RGD, Feb 2006]