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Product datasheet for RG206524

PNLIPRP1 (NM_006229) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNLIPRP1 (NM_006229) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PNLIPRP1
Synonyms:	PLRP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG206524 representing NM_006229
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGATCTTCTGGACAATCACACTTTTCCTGCTGGGAGCAGCCAAAGGAAAAGAAGTTTGCTATGAGG
ACCTCGGGTGCTTTTCTGACACTGAGCCCTGGGGCGGGACAGCAATCAGGCCCCTGAAAATTCTCCCCTG
GAGCCCTGAGAAGATCGGCACCCGCTTCCTGCTGTACACCAATGAAAACCCAAACAACTTTCAAATTCTC
CTCCTCTCTGATCCATCAACAATTGAGGCATCAAATTTTCAAATGGACAGAAAGACCCGGTTCATCATCC
ATGGCTTCATAGACAAAGGAGATGAGAGCTGGGTGACAGACATGTGCAAGAAACTGTTCGAGGTGGAGGA
GGTGAACTGCATCTGCGTGGACTGGAAGAAGGGCTCCCAAGCCACCTACACACAGGCTGCCAACAACGTG
CGAGTGGTGGGCGCCCAGGTGGCCCAGATGCTCGACATCCTCTTGACAGAGTATAGCTACCCCCCTTCCA
AAGTTCACCTCATTGGCCACAGCCTGGGAGCCCACGTGGCTGGAGAGGCAGGAAGCAAGACTCCAGGCCT
GAGCAGGATTACAGGGTTGGATCCTGTAGAAGCAAGTTTCGAGAGTACTCCTGAAGAGGTGCGACTTGAT
CCCTCTGATGCTGACTTTGTTGATGTGATTCACACGGATGCAGCTCCCCTGATCCCATTCTTGGGTTTTG
GAACGAACCAACAGATGGGTCATCTTGACTTCTTCCCCAATGGAGGAGAGAGCATGCCGGGATGCAAGAA
GAATGCCCTGTCTCAGATCGTGGATCTAGATGGCATCTGGGCGGGAACCCGGGACTTTGTGGCTTGCAAT
CACCTAAGAAGCTACAAGTATTACTTGGAAAGCATCCTCAATCCCGATGGGTTTGCTGCATATCCCTGCA
CTTCCTACAAGTCCTTTGAGTCTGACAAGTGCTTCCCGTGTCCAGATCAAGGATGCCCACAGATGGGTCA
CTATGCTGATAAATTTGCTGGCAGGACAAGTGAAGAGCAGCAGAAATTCTTCTTGAACACAGGAGAGGCT
AGCAATTTCGCTCGCTGGAGATATGGGGTTTCCATCACACTGTCTGGAAGAACAGCCACTGGTCAGATCA
AAGTTGCTTTGTTTGGAAATAAGGGAAACACTCACCAGTACAGCATCTTCAGGGGGATTCTCAAACCAGG
CTCAACCCATTCCTATGAGTTTGATGCAAAGCTGGATGTTGGAACAATTGACAAAGTCAAGTTTCTTTGG
AATAACAATGTGATAAATCCAACCCTCCCCAAAGTGGGTGCCACCAAGATCACTGTGCAAAAGGGAGAAG
AGAAGACAGTGTACAACTTCTGTAGCGAAGACACAGTGCGGGAAGACACGCTGCTCACCCTCACGCCCTG
C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

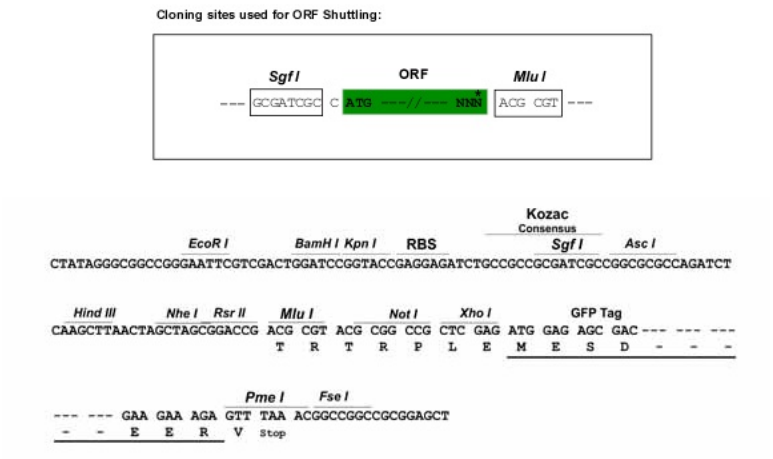
>RG206524 representing NM_006229
Red=Cloning site Green=Tags(s)

MLIFWTITLFLLGAAKGKEVCYEDLGCFSDTEPWGGTAIRPLKILPWSPEKIGTRFLLYTNENPNNFQIL
LLSDPSTIEASNFQMDRKTRFIIHGFIDKGDESWVTDMCKKLFEVEEVNCICVDWKKGSQATYTQAANNV
RVVGAQVAQMLDILLTEYSYPPSKVHLIGHSLGAHVAGEAGSKTPGLSRITGLDPVEASFESTPEEVRLD
PSDADFVDVIHTDAAPLIPFLGFGTNQQMGHLDFFPNGGESMPGCKKNALSQIVDLDGIWAGTRDFVACN
HLRSYKYYLESILNPDGFAAYPCTSYKSFESDKCFPCPDQGCPQMGHYADKFAGRTSEEQQKFFLNTGEA
SNFARWRYGVSITLSGRTATGQIKVALFGNKGNTHQYSIFRGILKPGSTHSYEFDAKLDVGTIDKVKFLW
NNNVINPTLPKVGATKITVQKGEEKTVYNFCSEDTVREDTLLTLTPC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_006229
ORF Size:	1401 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_006229.1, NP_006220.1
RefSeq Size:	1481 bp
RefSeq ORF:	1404 bp
Locus ID:	5407
UniProt ID:	P54315

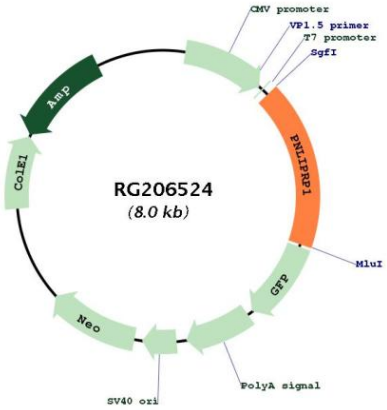
Cytogenetics: 10q25.3

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Glycerolipid metabolism, Metabolic pathways

Gene Summary: May function as inhibitor of dietary triglyceride digestion. Lacks detectable lipase activity towards triglycerides, diglycerides, phosphatidylcholine, galactolipids or cholesterol esters (in vitro) (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206524