

Product datasheet for **RG221745**

Pancreatic Lipase Related Protein 2 (PNLIPRP2) (NM_005396) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pancreatic Lipase Related Protein 2 (PNLIPRP2) (NM_005396) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pancreatic Lipase Related Protein 2
Synonyms:	PLRP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG221745 representing NM_005396
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATGCTGCCCCCTTGACCCTCGGCCTTCTCCTGCTGGCCACAGTCAGAGGAAAAGAGGTCTGCTACG
 GACAACTTGGCTGCTTTTCTGATGAAAAACCATGGGCAGGAACCTTCAGCGACCTGAAAAATTACTTCC
 CTGGTCCCCCGAGGACATTGACACCCGCTTTCTTCTGTACACAAATGAAAATCCAAACAACCTTCCAACTA
 ATCACTGGCACGGAACCAGACACCATTGAGGCTTCAAACCTTCAAACCTGGACCGCAAGACACGCTTCATCA
 TCCATGGCTTCTTAGACAAGGCGGAGGACAGCTGGCCATCGGACATGTGCAAGAAAATGTTTGAAGTGA
 GAAGGTGAACTGCATCTGTGTGGACTGGAGGCACGGGTCCCGGGCAATGTACACCAAGCCGTGCAAAAC
 ATTCGGGTGTTGGGGCGGAGACAGCTTCTTAATAACAAGCACTGTCGACGCAGCTAGGGTACAGCCTTG
 AGGACGTGCATGTCATCGCCACAGCCTGGGCGGCACACGGCCCGGAGCGGGCAGGAGGCTGGGGG
 CCGCGTGGCAGGATCACAGGGCTGGATCCAGCAGGGCCGTGCTTCCAGGATGAACCTGAGGAGGTTCCGG
 TTGGATCCATCTGACCGGTGTTTGTGGATGTGATTACACAGATTCTTCTCCCATAGTTCTTCCCTAG
 GTTTCCGAATGAGCCAAAAGGTGGGCCATCTGGATTTCTTTCAAATGGAGGAAAAGGAAATGCCCGGATG
 TAAGAAAATGTCCTTTCAACCATTACTGATATTGATGGAATATGGGAAGGAATGGTGGCTTTGTGTCT
 TGCAATCACCTAAGAAGCTTCGAGTATTACTCAAGCAGCGTCTCAACCTGATGGCTTCTGGGCTATC
 CCTGTGCCTCCTACGATGAGTTTCAGGAGAGTAAGTGTTCCTTGTCCAGCTGAAGGATGCCCCAAAAT
 GGGGCACTATGCTGACCAATTTAAGGGGAAAACAAGTGTGTGGAACAAACCTTTTTCTGAACACAGGA
 GAGAGTGGTAACCTTACTAGTTGGAGATATAAGGTATCAGTCACACTTCTGGAAAAGAGAAAAGTGAATG
 GTTACATCAGGATTGCTTTGTATGGAAGTAAATGAAAACCTCAAACAATATGAGATTTTCAAAGGATCCCTG
 CAAACCAGATGCAAGTCACACGTGTGCTATTGATGGATTTTAATGTTGGAAAAATACAGAAAAGTTAAA
 TTCTCTGGAACAAACGTGGGATAAATCTATCTGAGCCAAACTGGGGGCTTCCCAAATCACAGTGCAAAA
 GTGGTGAAGATGGGACTGAGTATAATTTTTGTAGCAGCGACACTGTGGAAGAAAACGTCTTGCAATCTCT
 TTACCCTTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG221745 representing NM_005396
 Red=Cloning site Green=Tags(s)

MMLPPWTLGLLLLATVRGKEVCYQLGCFSDKWPAGTLQRPVKLLPWSPEDIDTRFLLYTNENPNNFQL
 ITGTEPDTIEASNFQLDRKTRFIIHGFLDKAEDSWPSDMCKMFEVEKVNCICVDWRHGSRAMYTQAVQN
 IRVVGAEAFLLIQALSTQLGYSLEDVHVIGHSLGAHTAAEAGRRLGGRVGRITGLDPAGPCFQDEPEEVR
 LDPSDAVFVDVIHTDSSPIVPSLGFMSQKVGHLDFPNGGKEMPCKKNVLSTITDIDGIWEGIGGFVS
 CNHLRSFEYYSSVLPDGFLLGYPASYDEFQESKCFPCPAEGCPKMGHYADQFKGKTSAVEQTFFLNTG
 ESGNFTSWRYKVSVTLGKEKVNGYIRIALYGSNENSKQYEIFKGLKPDASHTCAIDVDFNVGKIQKVK
 FLWNKRGINLSEPKLGASQITVQSGEDGTEYNFCSSTVEENVLQSLYPC

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_005396

ORF Size: 1410 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_005396.4](#), [NP_005387.2](#)

RefSeq Size: 1486 bp

RefSeq ORF: 1410 bp

Locus ID: 5408

UniProt ID: [P54317](#)

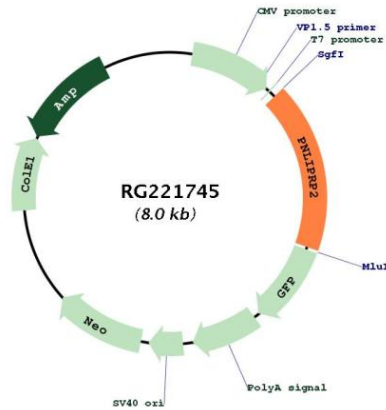
Cytogenetics: 10q25.3

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Glycerolipid metabolism, Metabolic pathways

Gene Summary: This gene encodes a lipase that hydrolyzes galactolipids, the main components of plant membrane lipids. An allelic polymorphism in this gene results in both coding and non-coding variants; the reference genome represents the non-coding allele. [provided by RefSeq, Aug 2015]

Product images:



Circular map for RG221745