

Product datasheet for **RG218118**

PNPLA5 (NM_138814) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PNPLA5
Synonyms:	dJ388M5; dJ388M5.4; GS2L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218118 representing NM_138814
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCTTCTTAGAGGAGGAGGGCAGATGGAACCTGTCTTCTCCGGCGCCGGCTACCTGGGCGCCACAC
ACGTGGGCGCCACGAATGCCTGCGCCAGCGAGCCCCGCGCCTCCTCCAGGGCGCCCGCCGATCTACGG
TTCTCGTCTGGGCGCTCAACGCAGTCAGCATCGTCTGCGGCAAGTCGGTCGACTTCTGCTGCTCCAC
CTCCTGGGCATGGTTGGCAGTTGGAGCGGCTGAGCCTAAGCATCCTGCACCCGGCTACGCGCCATCG
AGCACGTCAAGCAGCAGCTGCAGGATGCTCTGCCCCCGACGCCACGTCTGGCCTCCAGCGGCTGGG
CATTTCTGCTGACCCGCTGGCCTGACGACGCAACTTCTTGGTCACTGACTTCGCCACCTGCGATGAGCTC
ATCCAGGCCTTGGTCTGCACCTTATACTTTCTTTCTACTGCGGGCTGATCCCCCGAGTTCAGAGGGG
AGCGCTACATCGATGGGCTCTGAGCAACAATTGCCCTTTGCAGACTGCCCTCCACCATCACGGTGTC
GCCCTTCCATGGGACAGTGGACATCTGCCCCAGAGCACCTCCCCAACCTGCATGAGCTGAACGTCTTC
AACTTCAGCTTCCAAATCTCCACTGAGAACTTCTTCTGGGGCTCATATGTCTCATACCCCCAGCCTCG
AGGTAGTGGCCGACAACCTGCAGACAAGGCTACCTGGATGCCCTGAGGTTCTGGAGAGACGTGGACTCAC
CAAGGAACCAAGTGTATGGACGCTGGTGTCTAAGGAACCCCGAGCCCGGCTGACGGAACCTGGGATGCT
GGCTGTGACCAACGCTGGAAGGGGGGCTGTCTCTCAACTGGAAGTGCCCCATGTGCAAGTCAAGGATG
TACCAAACTTTGAGCAGCTCTACCAAGAGCTGGAGGCTGCACTGAAGAAAGCATGTACGAGGGATCCAG
CCGGTGGGCGCTTCTGGCACTCGGGGCTGGACAGGTGCTGACGTACCTGCTGCTACCTGCACACTG
CCCTTCGAGTACATCTACTCCGACGAGAAGGTTGGTGGTGGTGGCTGCCGATGTGCCGGCGGACTTGT
GGTGGATGCAGGGCTGCTGAGGAACATGGCCCTCGAGGTTTTCTCCAGGACCAAGGCCAGCTCCTTGG
GCCCATCAGCCCTCCGGCACTCGCGTCTGGAACAAGCCCCCTCAACCCAGATAGCTCCTCATAGA
GAGGAGCTCGGGCCACCCACCAAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



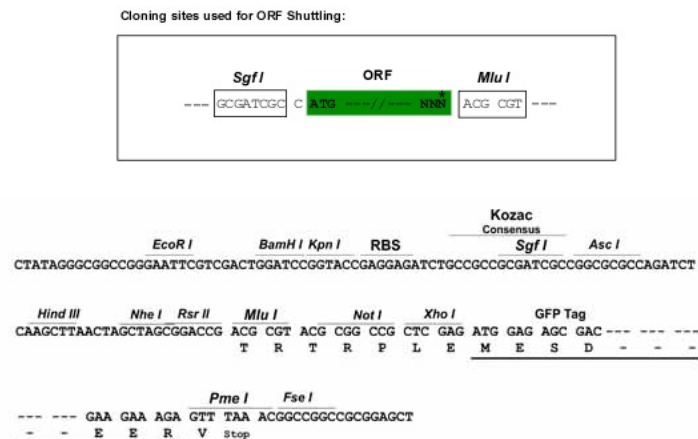
Protein Sequence: >RG218118 representing NM_138814
 Red=Cloning site Green=Tags(s)

MGFLEEEGRWNLSFSGAGYLGAHHVGATECLRQRAPRLQGARRIYGSSSGALNAVSIIVCGKSVDFCCSH
 LLGMVQGLERLSLSILHPAYAPIEHVKQLQDALPPDAHVLASQRLGISLTRWPDGRNFLTDFATCDEL
 IQALVCTLYFPFYCGLIPPEFRGERYIDGALSNNLPFADCPSTITVSPFHGTVDICPQSTSPNLHELNVF
 NFSFQISTENFFLGLICLIPPSLEVADNCRQGYLDALRFLERRGLTKEPVLWTLVSKEPPAPADGNWDA
 GCDQRWKGGSLNWKVPHVQVKDVPNFEQLSPELEAALKKACTRDPSPRWARFWHSGPGQVLTYLLLPCTL
 PFEYIYFRSRRLVWLPDVPADLWWMQGLLRNMALEVFSTRKAQLLGPISPPATRVLETSPLPQIAPHR
 EELGPTHQA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

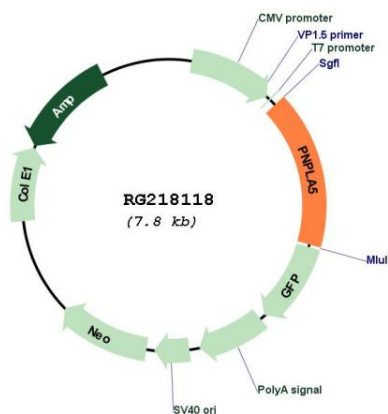


ACCN: NM_138814

ORF Size: 1287 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_138814.4
RefSeq Size:	2581 bp
RefSeq ORF:	1290 bp
Locus ID:	150379
UniProt ID:	Q7Z6Z6
Cytogenetics:	22q13.31
Gene Summary:	This gene is a member of the patatin-like phospholipase family; its encoded protein has been shown to inhibit transacylation. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Apr 2010]

Product images:



Circular map for RG218118