

Product datasheet for **SC306086**

PNPLA5 (NM_138814) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNPLA5 (NM_138814) Human Untagged Clone
Tag:	Tag Free
Symbol:	PNPLA5
Synonyms:	dj388M5; dj388M5.4; GS2L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306086 representing NM_138814. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGGCTTCTAGAGGAGGAGGGCAGATGGAACCTGTCCTTCTCCGGCGCCGGCTACCTGGGCGCCAC
 CACGTGGGCGCCACCGAATGCCTGCGCCAGCGAGCCCCGCGCCTCCTCCAGGGCGCCCGCGCATCTAC
 GGTTCTCGTCTGGGCGCTCAACGCAGTCAGCATCGTCTGCGGCAAGTCGGTCGACTTCTGCTGCTCC
 CACCTCTGGGCATGGTTGGGCAGTTGGAGCGCTGAGCCTAAGCATCCTGCACCCGGCCTACGCGCCC
 ATCGAGCAGTCAAGCAGCAGCTGCAGGATGCTCTGCCCCGACGCCACGTCCTGGCCTCCACGCGG
 CTGGGCATTTCTGCTGACCCGCTGGCCTGACGGACGCAACTTCTTGGTCACTGACTTCGCCACCTGCGAT
 GAGCTCATCCAGGCCTTGGTCTGCACCTTATACTTTCTTTCTACTGCGGGCTGATCCCCCCGAGTTC
 AGAGGGGAGCGCTACATCGATGGGGCTCTGAGCAACAACCTTGCCCTTTGCAGACTGCCCTCCACCATC
 ACGGTGTGCGCCCTTCCATGGGACAGTGGACATCTGCCCCAGAGCACCTCCCCAACCTGCATGAGCTG
 AACGTCTTCAACTTCAGCTTCCAAATCTCCACTGAGAACTTCTTCTGGGGCTCATATGTCTCATACCC
 CCCAGCCTCGAGGTAGTGGCCGACAACTGCAGACAAGGCTACCTGGATGCCCTGAGGTTCTGGAGAGA
 CGTGGACTCACCAGGAACCAAGTGTATGGACGCTGGTGTCTAAGGAACCCAGCCCCGGCTGACGGA
 AACTGGGATGCTGGCTGTGACCAACGCTGGAAGGGGGCCTGTCTCTCAACTGGAAGTGCCCCATGTG
 CAAGTCAAGGATGTACCAACTTTGAGCAGCTCTCACCAGAGCTGGAGGCTGCACTGAAGAAAGCATGT
 ACGAGGGATCCCAGCCGGTGGGCCCGCTTCTGGCACTCGGGGCTGGACAGGTGCTGACGTACCTGCTG
 CTACCCTGCACACTGCCCTTCGAGTACATCTACTTCCGACGAGAAGGTTGGTGGTGTGGCTGCCGAT
 GTGCCGGCGGACTTGTGGTGGATGCAGGCGCTGCTGAGGAACATGGCCCTCGAGGTTTTCTCCAGGACC
 AAGGCCAGCTCCTTGGGCCCATCAGCCCTCCGGCCACTCGCGTCTGGAACAAGCCCCCTCAACCC
 CAGATAGCTCCTCATAGAGAGGAGCTCGGGCCACCCACCGGCC**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC


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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_138814
Insert Size:	1290 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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_138814.3
RefSeq Size:	2550 bp
RefSeq ORF:	1290 bp
Locus ID:	150379
UniProt ID:	Q7Z6Z6
Cytogenetics:	22q13.31
MW:	47.9 kDa

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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).