

Product datasheet for **RC233075**

PNPLA8 (NM_001256011) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNPLA8 (NM_001256011) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PNPLA8
Synonyms:	IPLA2-2; IPLA2G; iPLA2gamma; MMLA; PNPLA-gamma
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC233075 representing NM_001256011
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

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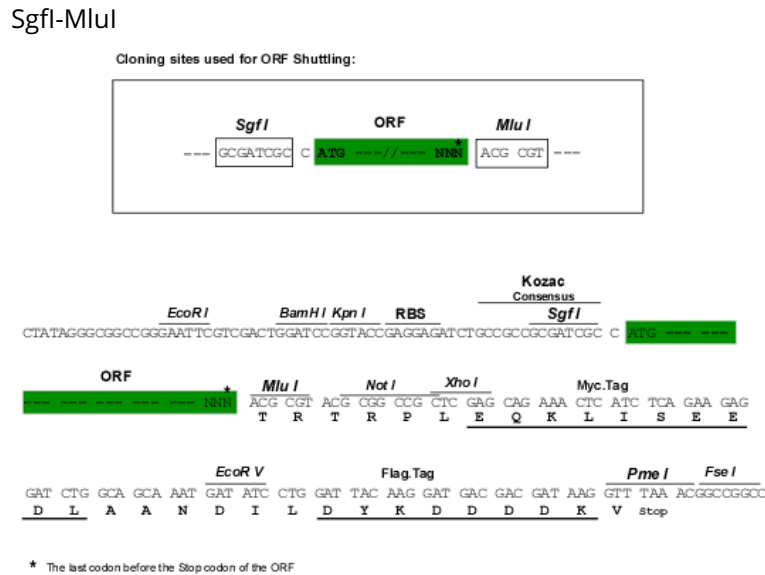
Protein Sequence: >RC233075 representing NM_001256011
Red=Cloning site Green=Tags(s)

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 VEEGKLRSPDPGILAYKPGSESVHTVDKPTSPSAIPDVLQVSTKQSIANFLSRPTEGVQALVGGYIGGLV
 PKLKYDSKSQSEEQEPAKTDQAVSKDRNAEKKRSLQREKIIARVSDNRTRALVQALRRTTDPKLCI
 TRVEELTFHLLFPEGKGVAVKERIIPYLLRLRQIKDETLQAAREILALIGYVDPVKGRGIRILSIDGG
 GTRGVVALQTLRKLVELTQKPVHQLFDYICGVSTGAILAFMLGLFHMPLDECEELYRKLGSDFVFSQNVIV
 GTVKMSWSHAFYDSQTWENILKDRMGSAIMIETARNPTCPKVAAVSTIVNRGITPKAFVFRNYGHFPGIN
 SHYLGQCQYKMWQAIRASSAAPGYFAEYALGNDLHQDGGLLLNNSALAMHECKLWPDVPLECIVSLGT
 GRYESDVRNTVYTSKTKLSNVINSATDTEEVHIMLDGLLPPDTYFRFNPVMCENIPLDESRNEKLDQL
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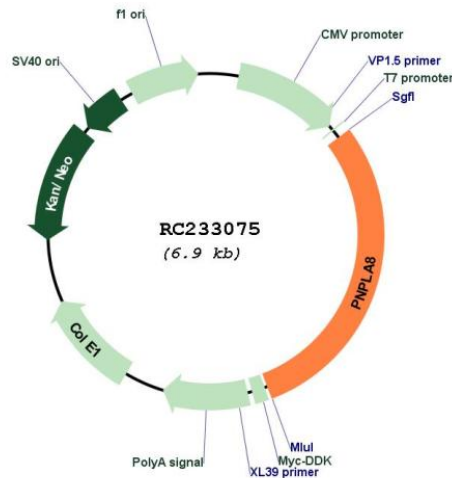
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Cloning Scheme:



Plasmid Map:



ACCN: NM_001256011

ORF Size: 2046 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_001256011.3](#)

RefSeq Size: 4435 bp

RefSeq ORF: 2049 bp

Locus ID: 50640

UniProt ID: [Q9NP80](#)

Cytogenetics: 7q31.1

MW: 77.5 kDa

Gene Summary: This gene encodes a member of the patatin-like phospholipase domain containing protein family. Members of this family are phospholipases which catalyze the cleavage of fatty acids from membrane phospholipids. The product of this gene is a calcium-independent phospholipase. Mutations in this gene have been associated with mitochondrial myopathy with lactic acidosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2015]