

Product datasheet for **RC233132**

PNPLA8 (NM_001256007) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNPLA8 (NM_001256007) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PNPLA8
Synonyms:	IPLA2-2; IPLA2G; iPLA2gamma; MMLA; PNPLA-gamma
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC233132 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTATTAATCTGACTGTAGATATATATATTTACCTCCTTAGTAATGCAAGAAGTGTTTGTGGGAAGC
AGAGAAGCAAGCAACTGTATTTCTTGTCTCACCTAAGCATTACTGGAGGATAAGCCACATCAGTCTACA
AAGAGGTTTTTCATACAAACATAAAGATGTAAGTGGACCAAAAGTGAAGCACATTCTTGCAAGTAAAGC
TGTTACTCTCCAAGCAACCATGGTTTACATATTGGGATTTTAAAAGTACTTTGAACTCTGTTTCAAAGGCTGTTTTGG
TTACAAAAGTGAACATTTGTATGTCCCGTATTAAGTACTTTGAACTCTGTTTCAAAGGCTGTTTTGG
CAATCAAAATGAAATGATTTACGTTTAGCTCAATTTAAGCCAAGTCCCAAATTTAAGAAAAGTATCG
GATAGTGGCTGGTAAAACAGAAAACATCAACAAGCCATCAAATCTCTGAAAAATATAGTGACAAAT
CAGCAGAAAAGAGTCCTTTCCAGAAGAGAAAAGTACATTATAGACAAAGAAGAAGATATAGGTAACG
CAGTCTTTTTTATTACACAAGTTCTATAACCACAAAATTTGGAGACTCATTCTACTTTTTATCAAATCAT
ATTAATTCATATTTCAAACGTAAGGAAAAATGTCTCAACAAAAGGAAAAATGAACATTTCCGGGACAAAT
CAGAAGTTGAAGATAAAAAGGTAGAAGAGGGGAAATTAAGATCTCCAGATCCTGGCATCCTGGCTTATAA
GCCAGGCTCAGAACTGTACATACGGTGGACAAGCCTACAAGTCTTCTGCGATACCTGATGTTCTTCAA
GTTTCAACTAAACAAAGTATTGCTAACTTTCTTCTCGTCCCACGGAAGGTGTACAAGCTTTAGTAGGTG
GTTATATTGGTGGACTTGTCCCAAATTAAGTATGATTCAAAGAGTCAGTCAGAAGAACAGGAAGAGCC
TGCTAAAAGTATCGCAAGGGTGAAGTATTGATAACAGGACCCGGGCATTAGTTCAGGCATTAAGAAGAACA
GAAAGATTATCGCAAGGGTGAAGTATTGATAACAGGACCCGGGCATTAGTTCAGGCATTAAGAAGAACA
CTGACCCAAAGCTCTGCATTACTAGGTTGAAGAAGTACTTTTTCATCTCTAGAATTTCTGAAAGGAAA
AGGAGTGGCTGTCAAGGAAAGAATTATTCCATATTTATTACGACTGAGACAAATTAAGGATGAAACTCTT
CAGGCTGCAGTTAGAGAAATTTGGCCCTAATTGGCTATGTGGATCCAGTGAAGGGAGAGGAATCCGAA
TTCTCTCAATTGATGGTGGAGGAACAAGGGGCGTGGTGTCTCCAGACCTACGAAAATTAGTTGAACT
TACTCAGAAGCCAGTTCATCAGCTCTTTGATTACATTTGTGGTGAAGCACAGGTGCCATATTAGCTTTC
ATGTTGGGTTGTTTCATATGCCCTGGATGAATGTGAGGAACTTTATCGAAAATTAGGATCAGATGTAT
TTTCACAAAATGTCATTGTTGGAACAGTAAAAATGAGTGGAGCCATGCATTTTATGACAGTCAAACATG
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AAGGTAGCTGCTGTAAGTACCATAGTAAATAGAGGGATAACACCCAAAGCTTTTGTGTTCCAGAACTATG
GTCATTTTCTGGAATCAACTCTCATTATTTGGGAGGCTGTGAGTATAAAATGTGGCAGGCCATTAGAGC
CTCATCTGCTGCTCCAGGCTACTTTGCAGAAATGTCATTGGGAAATGATCTTCATCAAGATGGAGGTTTG
CTTCTGAATAACCTTCGGCATTAGCTATGCATGAGTGTAAATGTCTTTGGCCAGATGTGCCGTTAGAGT
GCATAGTATCCCTGGGCACTGGACGTTATGAGAGTGTGAGAAAACACGGTAACATACACAAGCTTGAA
AACTAACTTTCTAATGTTATCAACAGTGTACAGATACAGAAGAAGTCCATATAATGCTTGATGGCCTG
TTACCTCCTGACACCTATTTTAGATTCAATCCTGTAATGTGTGAAAACATACCTCTAGATGAAAGTCGAA
ATGAAAAGCTGGATCAGCTGCAGTTGGAAGGGTTGAAATACATAGAAAAGAAATGAACAAAAATGAAAA
AGTTGCAAAAATATTAAGTCAAGAAAAACAACCTGCAGAAAAATTAATGATTGGATAAAAATAAAAACT
GATATGTATGAAGGACTTCCATTCTTTTCAAATTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233132 protein sequence
Red=Cloning site Green=Tags(s)

MSINLTVDIYIYLLSNARSVCGKQRSKQLYFLFSPKHYWRISHISLQRFHTNIIRCKWTKSEAHSCSKH
CYSPSNHGLHIGILKLSTSA PKGLTKVNICMSRIKSTLNSVSKAVFGNQNEMISRLAQFKPSSQILRKVS
DSGWLKQKNIKQAIKSLKKYSDKSAEKSPFPEEKSHIIDKEEDIGKRSLFHYTSSITTKFGDSFYFLSNH
INSYFKRKEKMSQKENEHFRDKSELEDKKVEEGKLRSPDPGILAYKPGSESVHTVDKPTSPSAIPDVLQ
VSTKQSIANFLSRPTEGVQALVGGYIGGLVPKLYDSKSQSEEQEPAKTDQAVSKDRNAEKKRSLQR
EKIARV SIDNRTRALVQALRRTTDPKLCITRVEELTFHLLFPEGKGVAVKERIIPYLLRLRQIKDEL
QAAVREILALIGYVDPVKGRGIRILSIDGGGTRGVVALQTLRKLVELTQKPVHQLFDYICGVSTGAILAF
MLGLFHMP LDECEELYRKLGSDFVSNVIVGTVMWSHAFYDSQTWENILKDRMG SALMIETARNPTCP
KVA AVSTIVNRGITPKAFVFRNYGHFPGINSHYLGCCQYKMWQAIRASSAAPGYFAEYALGNDLHQDGG
LLNNPSALAMHECKLWPDVPLECIVSLGTGRYESDVRNTVTYTS LKTKLSNVINSATDTEEVHIMLDGL
LPPD TYFRFNPVCENIPLDESRNEKLDQLQLEGLKYIERNEQMKKVKAKILSQEKTTLQKINDWIKLKT
DMYEGLPFFSKL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6201_a10.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_001256007

ORF Size: 2346 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_001256007.3](#)

RefSeq Size: 4747 bp

RefSeq ORF: 2349 bp

Locus ID: 50640

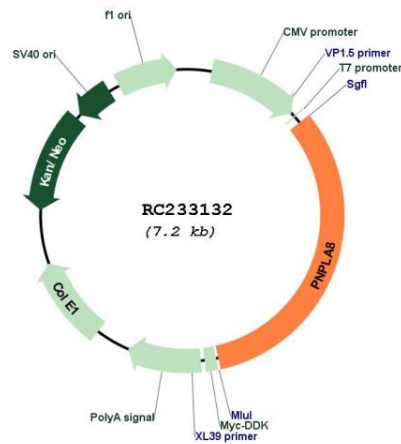
UniProt ID: [Q9NP80](#)

Cytogenetics: 7q31.1

MW: 88.5 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]

Product images:



Circular map for RC233132