

Product datasheet for **SC330345**

PNPLA8 (NM_001256007) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNPLA8 (NM_001256007) Human Untagged Clone
Tag:	Tag Free
Symbol:	PNPLA8
Synonyms:	IPLA2-2; IPLA2G; iPLA2gamma; MMLA; PNPLA-gamma
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC330345 representing NM_001256007.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTCTATTAATCTGACTGTAGATATATATATTTACCTCCTTAGTAATGCAAGAAGTGTGTTGTGGGAAG
 CAGAGAAGCAAGCAACTGTATTTCTTGTCTCACCTAAGCATTACTGGAGGATAAGCCACATCAGTCTA
 CAAAGAGGTTTTATACAAACATAATAAGATGTAATGGACCAAAAGTGAAGCACATTCTTGCACTAAG
 CACTGTTACTCTCCAAGCAACCATGGTTTACATATTGGGATTTGAAACTTAGCACTTCTGCTCCCAAG
 GGACTTACAAAAGTGAACATTTGTATGTCCCGTATTTAAAGTACTTTGAACTCTGTTTCAAAGGCTGTT
 TTTGGCAATCAAATGAAATGATTTACGTTTGTAGCTCAATTTAAGCCAAGTTCCTCAATTTTAAGAAAA
 GTATCGGATAGTGGCTGGTTAAACAGAAAAACATCAAACAAGCCATCAAATCTCTGAAAAATATAGT
 GACAAATCAGCAGAAAAAGAGTCTTTTCCAGAAGAGAAAAAGTCACTTATAGACAAAGAAGAATATA
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 TCAATCATATTAATTCATATTTCAAACGTAAGGAAAAATGTCTCAACAAAAGGAAAAATGAACATTTTC
 CGGACAAATCAGAACTGAAGATAAAAAGGTAGAAGAGGGGAAATTAAGATCTCCAGATCTGGCATC
 CTGGCTTATAAGCCAGGCTCAGAACTGTACATACGGTGGACAAGCCTACAAGTCTTCTGCGATACCT
 GATGTTCTTCAAGTTTCAACTAAACAAAGTATTGCTAAGTCTTCTTCTCGTCCCACGGAAGGTGTACAA
 GCTTTAGTAGGTGTTATATTGGTGGACTGTCCCAAAATTAAGTATGATTCAAAGAGTCAGTCAGAA
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 AATGATCTTCATCAAGATGGAGTTTGTCTCTGAATAACCTTTCGGCATTAGCTATGCATGAGTGTAAA
 TGTCTTTGGCCAGATGTGCCGTTAGAGTGCATAGTATCCCTGGGCACTGGACGTTATGAGAGTGATGTG
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 GAAGAAGTCCATATAATGCTTGATGGCCTGTTACCTCCTGACACCTATTTTAGATTCAATCCTGTAATG
 TGTGAAACATACCTCTAGATGAAAGTCGAAATGAAAAGCTGGATCAGCTGCAGTTGGAAGGGTTGAAA
 TACATAGAAAGAAATGAACAAAAATGAAAAAGTTGCAAAAATATTAAGTCAAGAAAAACAACCTCTG
 CAGAAAAATTAATGATTGGATAAAATTAAGAACTGATATGTATGAAGGACTTCCATTCTTTTCAAAATTG
 TGA

Restriction Sites: SgfI-MluI

ACCN: NM_001256007

Insert Size: 2349 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001256007.1](#)

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]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.