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Product datasheet for SC330347

PNPLA8 (NM_001256009) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNPLA8 (NM_001256009) 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:

>SC330347 representing NM_001256009.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTCTATTAATCTGACTGTAGATATATATATTTACCTCCTTAGTAATGCAAGAAGTGTTTGTGGGAAG
CAGAGAAGCAAGCAACTGTATTTCTTGTTCTCACCTAAGCATTACTGGAGGATAAGCCACATCAGTCTA
CAAAGAGGTTTTCATACAAACATAATAAGATGTAAATGGACCAAAAGTGAAGCACATTCTTGCAGTAAG
CACTGTTACTCTCCAAGCAACCATGGTTTACATATTGGGATTTTGAAACTTAGCACTTCTGCTCCCAAG
GGACTTACAAAAGTGAACATTTGTATGTCCCGTATTAAAAGTACTTTGAACTCTGTTTCAAAGGCTGTT
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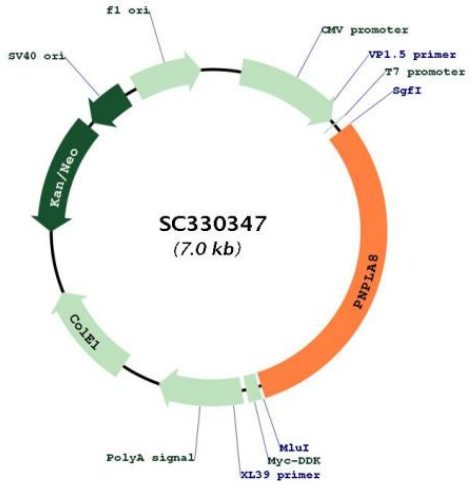
TTTAGATTCAATCCTGTAATGTGTGAAAACATACCTCTAGATGAAAGTCGAAATGAAAAGCTGGATCAG
CTGCAGTTGGAAGGGTTGAAATACATAGAAAGAAATGAACAAAAAATGAAAAAAGTTGCAAAAATATTA
AGTCAAGAAAAAACAACTCTGCAGAAAATTAATGATTGGATAAAATTAAAAACTGATATGTATGAAGGA
CTTCCATTCTTTTCAAAATTGTGA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_001256009
Insert Size:	2163 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_001256009.1
RefSeq Size:	4515 bp
RefSeq ORF:	2163 bp
Locus ID:	50640
UniProt ID:	Q9NP80
Cytogenetics:	7q31.1
MW:	81.6 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 (4) differs in the 5' UTR and uses an alternate in-frame splice site in the 3' coding region compared to variant 1. The resulting protein (isoform 2) is shorter compared to 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.