

Product datasheet for **SC101159**

PNPLA8 (NM_015723) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNPLA8 (NM_015723) Human Untagged Clone
Tag:	Tag Free
Symbol:	PNPLA8
Synonyms:	IPLA2-2; IPLA2G; iPLA2gamma; MMLA; PNPLA-gamma
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_015723, the custom clone sequence may differ by one or more nucleotides

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ATGTCATTAATCTGACTGTAGATATATATATTTACCTCCTTAGTAATGCAAGAAGTGTTTGTGGGAAGC
AGAGAAGCAAGCAACTGTATTTCTTGTCTCACCTAAGCATTACTGGAGGATAAGCCACATCAGTCTACA
AAGAGGTTTTTCATAACAACATAATAAGATGTAATGGACCAAAAGTGAAGCACATTTCTGCAGTAAGCAC
TGTTACTCTCCAAGCAACCATGGTTTACATATTGGGATTTTGAACTTAGCACTTCTGCTCCAAGGGAC
TTACAAAAGTGAACATTTGTATGTCCCGTATTAAGTACTTTGAACTCTGTTTCAAAGGCTGTTTTGG
CAATCAAATGAAATGATTTACGTTTGTAGTCAATTTAAGCCAAGTTCCCAAATTTAAGAAAAGTATCG
GATAGTGGCTGGTTAAAACAGAAAAACATCAAACAAGCCATCAAATCTCTGAAAAATATAGTGACAAAT
CAGCAGAAAAGAGTCCTTTCCAGAAGAGAAAAGTACATTATAGACAAAGAAGAAGATATAGGTAAACG
CAGTCTTTTTTATTACACAAGTTCTATAACCACAAAATTTGGAGACTCATTCTACTTTTTATCAAATCAT
ATTAATTCATATTTCAAACGTAAGGAAAAATGTCTCAACAAAAGGAAAAATGAACATTTCCGGGACAAAT
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GTTTCAACTAAACAAAGTATTGCTAACTTTCTTCTCGTCCCACGGAAGGTGTACAAGCTTTAGTAGGTG
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TGCTAAAAGTATCGCAAGGGTGAAGTATTGATAACAGGACCCGGGCATTAGTTCAGGCATTAAGAAGAA
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TTTCACAAAATGTCATTGTTGGAACAGTAAAAATGAGTTGGAGCCATGCATTTTATGACAGTCAAACATG
GGAAAACATTCTAAGGATAGGATGGGATCTGCACTGATGATTGAAACAGCAAGAAACCCACATGTCTT
AAGGTAGCTGCTGAAGTACCATAGTAAATAGAGGGATAACACCCAAAGCTTTTGTGTTCCAGAACTATG
GTCATTTTCTGGAATCAACTCTCATTATTTGGGAGGCTGTGAGTATAAAATGTGGCAGGCCATTAGAGC
CTCATCTGCTGCTCCAGGCTACTTTCAGAAATATGCATTTGGGAAATGATCTTTCATCAAGATGGAGGTTT
CTTCTGAATAACCTTCCGCATTAGCTATGCATGAGTGTAAATGTCTTTGGCCAGATGTGCCGTTAGAGT
GCATAGTATCCCTGGGCACTGGACGTTATGAGAGTGTGAGAAACACGGTAACATACACAAGCTTGAA
AACTAACTTTCTAATGTATCAACAGTGTACAGATACAGAAGAAGTCCATATAATGCTTGATGGCCTG
TTACCTCTGACACCTATTTAGATTCAATCTGTAAATGTGTGAAAACATACCTCTAGATGAAAAGTCGAA
ATGAAAAGCTGGATCAGCTGCAGTTGGAAGGGTTGAAATACATAGAAAAGAAATGAACAAAAATGAAAA
AGTTGCAAAAATATTAAGTCAAGAAAAACAACCTCTGCAGAAAATTAATGATTGGATAAAATTAACAACT
GATATGTATGAAGGACTTCCATTCTTTTCAAAAATTGTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_015723 unedited</p> <pre>GTGCACATATTTGTATACGAACTCACTATAGGGCGGCCGATTTCGGCACGAGGGTTTGT GTTGGAAGCTCAGCTGATGCAGGCCGTTGGAGTGGACGTCATTGCCGGGAACGAGCGAG TCGCCGCTGCAGCCCTAGTGACTGCGGCCCTGCATCCCGTAATGCAAGAAGTGTGGGG AAGCAGAGAAGCAAGCAACTGTATTTCTGTTCTCACCTAAGCATTACTGGAGGATAAGC CACATCAGTCTACAAAGAGGTTTTATACAAACATAATAAGATGTAATGGACCAAAAGT GAAGCACATTCTGCAGTAAGCACTGTTACTCTCCAAGCAACCATGGTTTACATATTGGG ATTTTGAAACTTAGCACTTCTGCTCCCAAGGGACTTACAAAAGTGAACATTTGTATGTCC CGTATTAAGTACTTTGAACTCTGTTTCAAAGGCTGTTTTGGCAATCAAAATGAAATG ATTTACAGTTTAGCTCAATTTAAGCCAAGTTCCCAAATTTAAGAAAAGTATCGGATAGT GGCTGGTTAAACAGAAAAACATCAACAAGCCATCAAATCTCTGAAAAATATAGTGAC AAATCAGCAGAAAAGAGTCCTTTTCCAGAAGAGAAAAGTCACATTATAGACAAAAGAA GATATAGGTAACGCAGTCTTTTTCATTACACAAGTTCTATAACCACAAAATTTGGAGAC TCATTCTACTTTTATCANATCATATTAATTCATATNTCAAACGTAAGGAAAAATGTCT CAACAAAGGGANATGAACATTTCCGGGACANATCAGAACTTTGAGATAAAGGTAGAAGAG GGGAAATAAGATCTNCAGACCTGGCATCCCTGCTATAGCCAGCTCAAATCTGTCATACGG TGGACAGCTACAGTCT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' genomic read for NM_015723 unedited</p> <pre>TAACCTATGGACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGGAGATGG AGTCTCGTGTGTCGCTAGGCTGGAGTGCAGTGGCGCTATCTGGCTCACTGCAACCTCC GTCTCTCAGGTTCAAGCCATTCCCTGCCTTAGCCTCCCGAGTAGCCGGGACCACAGGTG TGCACCACCATGCCGGGCTAATGCTTGACCCTTATTAGAGACGAGGTTTACCCTGCTG GCCAGGCTGGTCCCGGACTCCCGACGTCAGGTGATCTGCCCGCCTCGGCCTCCCAAAGT CTGGGATTACAGGCGTGAGCCACCGCGCCAGGCAACTAACCTTTTATTTTAAACATACT GCTGACAGGTGTATTCAAAGGCTAAAGGGGAGCTACATTATGAACAAAAATTAATTTTAA AATGACATTAGCCTTTTAAACAGATTATTTAAATAGTTTATTTTGTAAATGATAGGA ATATCTCTCAGTAAGTTCAAACATTTTAAACAGGGAAGAATAAGCTAGTGTATATC TGGAAAAGTTAATATAGCATTATCTTGAATTTTCAAGGGTAAAAAGTGGATGACTGGAAC TTCACCTTTTTTAAACAAACAATGTTAAAATAAACATATCTGAATAGAAAAGTGTCTG GTTCTTTTTTATGTCAAATGTGAAATACTTTAATAGAGAAAGATCCATTTCTCTGCATCT ATTTAGATGATATTACAATTAACAGCAGTGTGGATTGGAGAACATAGCTGTGAGAACATA GGTAATGTAATTAAGAACAATACTTCTTATGACATATAATCTATGATCACATA GAAATCACATGGATCTTGAAGACTAAAGTAAAANTCCAGGACAATTTATCTTTCCGTTT CATGCTCGGACATATCTTATATATTTNCAACCTTGACAATTAACACCATGTTTCTAAAC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_015723
Insert Size:	3510 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_015723.2](#), [NP_056538.1](#)

RefSeq Size: 3548 bp

RefSeq ORF: 2349 bp

Locus ID: 50640

UniProt ID: [Q9NP80](#)

Cytogenetics: 7q31.1

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 (1) represents the longest transcript. 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.