

Product datasheet for **SC324530**

PNPLA4 (NM_004650) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PNPLA4 (NM_004650) Human Untagged Clone
Tag: Tag Free
Symbol: PNPLA4
Synonyms: DXS1283E; GS2; iPLA2eta
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004650.1
 GGCCGGGTGCGGTACCAACCCCTGCCGAGGACTTTCCTGGGCCGGCTCGCGGAGAGCGT
 AGCGCGGCTTGGTGGCGGAATGGCGTTGAGTGACGGCCCGGCCCATCTGGTTAAA
 GGGACTCGTTCAACACGGAAGTGTCCCGGGCTGCATTGTGCTACAGCTAGAATGAAGCA
 CATCAACCTATCATTTGCAGCGTGTGGATTTCTGGGCATTTACCACTTGGGGCAGCATC
 TGCACTTTCAGACATGGCAAAAACTGTGAAGGATGTCAAAGCCTTCGCTGGGGCGTC
 TGCGGGATCGTTGGTGTCTTCTGTTCTGCTAACAGCACCAGAAAAATAGAGGAATGTAA
 CCAATTTACCTACAAGTTTGCCGAAGAAATCAGAAGGCAGTCTTTCGGGGCAGTAACGCC
 CGGTTATGACTTCATGGCCGACTAAGAAGTGGGATGGAGTCGATTCTTCTCCAGCGC
 TCACGAGCTGGCCAGAACCAGTGCACGTATCCATCACCAACGCCAAAACCAGAGAAAA
 TCACTTAGTCTCACTTTTTCTCCAGGGAGGGCCTCATTAAAGTCCTCCTAGCCAGCAG
 TTTTGTGCCCATTTATGCAGGACTGAAGCTAGTGGAAACAAAAGGCAGAAAGTGGTGG
 CGGAGGCCTCACCAACGCTCTTCCATCCTGCCGTCGGCCGGACAGTAACCATCTCCCC
 CTTCAGTGGACGACTGGACATCTCCCCGAGGACAAAAGGGCAGCTAGATCTGTATGTAA
 TATCGCAAGCAGGATATCATGTTGTCCCTGGCAAACCTGGTGAGACTCAACCAAGCCCT
 TTTTCCCCAAGCAAGAGGAAAAATGGAATCTTTGTATCAGTGTGGTTTTGATGACTGT
 TAAGTTTTACTTAAAGAAAATGGTTTGAATAAAATGCATAAAAGTTTATAATGCAGAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_004650

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).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_004650.1 , NP_004641.1
RefSeq Size:	2809 bp
RefSeq ORF:	762 bp
Locus ID:	8228
UniProt ID:	P41247
Cytogenetics:	Xp22.31
Protein Pathways:	Retinol metabolism
Gene Summary:	<p>This gene encodes a member of the patatin-like family of phospholipases. The encoded enzyme has both triacylglycerol lipase and transacylase activities and may be involved in adipocyte triglyceride homeostasis. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome Y. [provided by RefSeq, Feb 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Variants 1 and 2 encode the same isoform (1). Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.</p>