

Product datasheet for SC328259

PNPLA4 (NM_001172672) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNPLA4 (NM_001172672) Human Untagged Clone
Tag:	Tag Free
Symbol:	PNPLA4
Synonyms:	DXS1283E; GS2; iPLA2eta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328259 representing NM_001172672. Blue=Insert sequence Red=Cloning site Green=Tag(s)

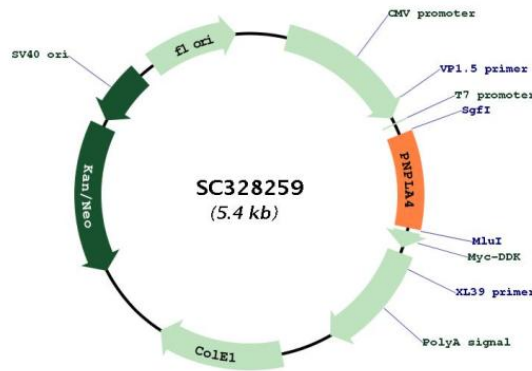
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCCGACTAAGAAGTGGATGGAGTCGATTCTTCTCCAGCGCTCACGAGCTGGCCAGAACC GA
CTGCACGTATCCATACCAACGCCAAAACCAGAGAAAATCACTTAGTCTCCACTTTTTCTCCAGGGAG
GACCTCATTAAGGTCCTCCTAGCCAGCAGTTTTGTGCCATTTATGCAGGACTGAAGCTAGTGAATAC
AAAGGGCAGAAGTGGGTGGACGGAGGCCCTACCAACGCTCTTCCCATCCTGCCCGTCGGCCGACAGTA
ACCATCTCCCCCTTCAGTGGACGACTGGACATCTCCCCGAGGACAAAGGGCAGCTAGATCTGTATGTT
AATATCGCCAAGCAGGATATCATGTTGTCCTGGCAAACCTGGTGAAGTCAACCAAGCCCTTTTTCCC
CCAAGCAAGAGGAAAATGGAATCTTTGTATCAGTGTGTTTTGATGACTGTAAAGTTTTACTTAAA
GAAAATTGGTTTGAATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001172672

Insert Size: 501 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).

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:

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_001172672.1](#)

RefSeq Size: 2559 bp

RefSeq ORF: 501 bp

Locus ID: 8228

UniProt ID: [P41247](#)

Cytogenetics: Xp22.31

Protein Pathways: Retinol metabolism

MW: 18.6 kDa

Gene Summary: 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]
Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, 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.