

## Product datasheet for SC101779

### NAPE PLD (NAPEPLD) (NM\_198990) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NAPE PLD (NAPEPLD) (NM_198990) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAPE PLD
Synonyms:	C7orf18; FMP30; NAPE-PLD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_198990, the custom clone sequence may differ by one or more nucleotides

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ATGGATGAAAATGAAAGCAACCGTCTCTGATGACAAGCAGCCAATATCCTAAAGAAGCAGTAAGAAAAC
GTCAAAATTCAGCACGGAATTCGGAGCAAGTGATTCTTCTAGGTTTTCTAGGAAAAGCTTCAAAGTGA
TTATAGACTAGAAGAAGATGTAACATAAATCCAAGAAAGGAAAAGATGGGAGATTTGTGAATCCGTGGCCA
ACATGGAAAAACCCCTCTATTCCAAATGTTCTCAGATGGCTGATAATGGAGAAAGATCACAGCAGTGTTCC
CAAGTTCTAAAGAGGAACTAGACAAAGAACTCCAGTGCTTAAGCCATATTTTACTACTAACCTGAAGA
AGCTGGAGTGAGGAAGCTGGCTTAAGAGTCACATGGCTGGGACATGCCACGTAATGGTGGAAATGGAT
GAGCTCATATTTCTCACGGATCCCATCTTTAGCTCTCGTGCTTACCATCGCAGTACATGGTCCAAGC
GATTTTCGTGTTCCCGTGCACAATAAGTGAACCTCCCAATAGATGCGGTCTTATCAGTCACAACCA
CTATGACCATCTGGACTACAATTCTGTCAATGCTTTGAATGAGCGATTTGGTAATGAGTTGAGATGGTTT
GTGCCTTTGGGTCTCCTTGACTGGATGCAAAAATGTGGCTGTGAGAATGTGATTGAGTTGGACTGGTGGG
AGGAGAATTGTGTCCTCCCGGACATGATAAGGTCACTTTTGTCTTTACACCTTCCCAGCACTGGTGTAAAAG
GACTCTAATGGATGACAACAAGGTGCTATGGGGCAGCTGGTCTGTCTTGGGGCCTTGGAAATCGATTTTTT
TTCGCAGGAGATACTGGTTATTGCCCTGCTTTTGAAGAGATAGGAAAAAGATTTGGACCTTTTGACCTTG
CAGCTATTTCCATCGGAGCTTATGAACCGAGGTGGTTTATGAAATACCAGCATGTAGACCCAGAAGAAGC
TGTAAGGATTCACACTGATGTCCAAACAAGAAATCTATGGCAATTCACCTGGGAACTTTTGCCTTAGCA
AATGAGCATTACTTAGGCCTCCAGTGAAGCTGAATGAAGCTCTAGAGAGATACGGACTTAACGCTGAAG
ATTTTTTTGTCTTGAAGCATGGAGAATCAAGATACCTAAATAATGATGATGAAAACCTTTTAA

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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_198990 unedited</p> <pre>TCATAATTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGGCCGAGAGTGGG TTTCCCGTCCCGGAGCCCTCCCTCATCTCGGAGATGCCGCACTTGTGAGCGACAGGGCTT CATTTGAATTTTCGCACCTCGCGAGTTGCGGAGCCTGCATCTCTGAAGCTGCCTCGGTGA AGAGCCACAGCATTATTTTTTCTCTTTGGGAGAGTAGCTGTCTGGGATTTGAGATCCT ATCTTCCCTGCAAATTACCAGGTTGCATCTTCACTGATAGGAATACATTTCTCACAAA GGACATGGATGAAAATGAAAGCAACCAGTCTCTGATGACAAGCAGCCAATATCCTAAAGA AGCAGTAAGAAAACGTCAAAATTCAGCACGGAATTCGGGAGCAAGTGATTCTTCTAGGTT TTCTAGGAAAAGCTTCAAAGTGGATTATAGACTAGAAGAAGATGTAATAAATCCAAAGAA AGGAAAAGATGGGAGATTTGTGAATCCGTGGCCAAACATGGAAAAACCCCTCTATTCCAAA TGTTCTCAGATGGCTGATAATGGAGAAAGATCACAGCAGTGTTCAGTTCTAAAGAGGA ACCTAGACAAGAAGTCCAGTGTCTAAGCCATATTTTACTAACCCTGAAGAAGCTGG AGTGAGGGAAGCTGGGCTTAGAGTCACATGGCTGGGACATGCCACGGTAATGGTGGAAAT GGATGAGCTCATATTTCTCACGGATCCCNATCTTAGCTCTCGTGCTCACCATCGCAGTAC ATGGGTCAAAGCGATTTTCGTCTCCCGTGCANCATAAGTGAAGTCCCTCCATAGATG CCGTCCTTATCAGTCACACCACTATGACCATCTGGACTAACATTCTGTCAATTGCTTTGAA TGAGCGATTTGGGTATGAGTTGANATGGTTTGTGGCCTTTGGGTCTCCTTGACTGGAT</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_198990 unedited</p> <pre>TTTTTGGTATTACTATGNNACCGCGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTT TTTCCGAAAAGACGGGAGGTCACCATGTTGCCAGGTTGATGTCAAACCTCGGGTTCA AGTGACCCACCCACCTTGGCCTCCCAAAGTAAGAGGTCTTTTGGGAATTGTAGACGTGCA ATAGAATAACTGTTCCCTCTCATCTGAAGGCTCTAGGAAAAAAGAATATACTGTTCTT TTAAAAATTAAGTGAATGGTGGTCATGGGTGCATTAATGCGAAAAGAACTGTACACTTAA AAATGGTTAAAATGGTAAATGTTTAAAATGGCAAATATGTATTTATATTTTACCACAA TAGAGAAAATCAAGTCTTTAAAATGATAGCCCTATGTTTTATGCTTACCTAAATAAA CCATATTTAATATTTGGCATATAAGCTAATTTGATAGAGCAAGAATTGCTATGTTTATAA TAAGCATGTTGGACTGAATTTTCATCATTATTAGAAATGTGCATATAAGAAAAGATACTTGT ATTTGTAGGCCTTGAAAAACATCTAGGTAGGTAGAGACCTTGACTCACCTTGCCGAAG GTCCTGAAGAATGAAAAAAGAAAAATGAATCTCAATATCGGTTTTTCCACCTCAGGAA ATTATTTATTAAGTTTTTCATCATTATTATTTAAGTATCTTGATTCTCCATGCTTCAAG ACAAAAAATCTTACCCTTAAGTCCGTATCTCTCTTGAGCTTCAATTCAGCTTTCCCTGGA GGCTCTAAATAAGGCCCTTTGCTAAGGGAAAAGTTTCCCATGAAATGGCACTAGATTT CTTTGTTTGGGACATCAGATGTGAAACCTTTCAGCTTTTTTTTTGGGGCTT</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_198990
<b>Insert Size:</b>	2050 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_198990.3](#), [NP\\_945341.2](#)

**RefSeq Size:** 4841 bp

**RefSeq ORF:** 1182 bp

**Locus ID:** 222236

**UniProt ID:** [Q6IQ20](#)

**Cytogenetics:** 7q22.1

**Gene Summary:** NAPEPLD is a phospholipase D type enzyme that catalyzes the release of N-acylethanolamine (NAE) from N-acyl-phosphatidylethanolamine (NAPE) in the second step of the biosynthesis of N-acylethanolamine (Okamoto et al., 2004 [PubMed 14634025]).[supplied by OMIM, Oct 2008]  
Transcript Variant: This variant (2) differs in the 3' UTR, compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.