

Product datasheet for **SC318850**

NAPE PLD (NAPEPLD) (NM_001122838) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NAPE PLD (NAPEPLD) (NM_001122838) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAPE PLD
Synonyms:	C7orf18; FMP30; NAPE-PLD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318850 representing NM_001122838. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATGAAAATGAAAGCAACCGTCTCTGATGACAAGCAGCCAATATCCTAAAGAAGCAGTAAGAAAA
CGTCAAAATTCAGCACGGAATTCGGAGCAAGTGATTCTTCTAGGTTTTCTAGGAAAAGCTTCAAACCTG
GATTATAGACTAGAAGAAGATGTAATAAATCCAAGAAAGGAAAAGATGGGAGATTTGTGAATCCGTGG
CCAACATGGAAAAACCCCTCTATTCCAATGTTCTCAGATGGCTGATAATGGAGAAAGATCACAGCAGT
GTTCCAAGTTCTAAAGAGGAAGTAGACAAAGAAGTCCCAGTGCTTAAGCCATATTTATCACTAACCT
GAAGAAGCTGGAGTGAGGGAAGCTGGCTTAAGAGTCACATGGCTGGGACATGCCACGGTAATGGTGGAA
ATGGATGAGCTCATATTTCTCACGGATCCCATCTTTAGCTCTCGTGCTTACCATCGCAGTACATGGGT
CCAAAGCGATTTTCGTGTTCCCGTGCAATAAGTGAATCCCTCCAATAGATCGGTCCTTATCAGT
CACAACCACTATGACCATCTGGACTACAATTCTGTCAATTGCTTTGAATGAGCGATTTGGTAAATGAGTTG
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GACTGGTGGGAGGAGAATTGTGTCCCGGACATGATAAGGTCACCTTTGTCTTTACACCTCCCAGCAC
TGGTGTAAGGACTCTAATGGATGACAACAAGGTGCTATGGGCGAGCTGGTCTGTCTGGGGCCTTGG
AATCGATTTTTTTTCGCAGGAGATACTGGTTATGCCCCGCTTTTGAAGAGATAGGAAAAAGATTTGGA
CCTTTTGACCTTGACGCTATTCCCATCGGAGCTTATGAACCGAGGTGGTTTATGAAATACCAGCATGTA
GACCCAGAAGAAGCTGTAAAGATTACACTGATGTCCAACAAAGAAATCTATGGCAATTCACCTGGGGA
ACTTTTGCCTTAGCAAATGAGCATTACTTAGAGCTCCAGTGAAGCTGAATGAAGCTCTAGAGAGATAC
GGACTTAACGCTGAAGATTTTTTTGTCTTGAAGCATGGAGAATCAAGATACCTAAATAATGATGATGAA
AACTTTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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ACCN:	NM_001122838
Insert Size:	1182 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:	<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:	<u>NM_001122838.1</u>
RefSeq Size:	5363 bp
RefSeq ORF:	1182 bp
Locus ID:	222236
UniProt ID:	<u>Q6IQ20</u>
Cytogenetics:	7q22.1
MW:	45.6 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. 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.</p>