

## Product datasheet for **RG209877**

### NAPE PLD (NAPEPLD) (NM\_198990) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NAPE PLD (NAPEPLD) (NM_198990) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NAPE PLD
Synonyms:	C7orf18; FMP30; NAPE-PLD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209877 representing NM_198990 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGAAAAAGAAAGCAACCAGTCTCTGATGACAAGCAGCCAATATCCTAAAGAAGCAGTAAGAAAAC  
GTCAAATTCAGCACGGAATTCGGAGCAAGTATTCTTCTAGGTTTTCTAGGAAAAGCTCAAAGTGGCA  
TTATAGACTAGAAGAAGATGTAATAAATCCAAGAAAGGAAAAGATGGGAGATTTGTGAATCCGTGGCCA  
ACATGGAAAAACCCCTCTATTCCAAATGTTCTCAGATGGCTGATAATGGAGAAAGATCACAGCAGTGTT  
CAAGTTCTAAAGAGGAACTAGACAAAGAACTCCAGTGCTTAAGCCATATTTTATCACTAACCCCTGAAGA  
AGCTGGAGTGAGGGAAGCTGGCTTAAGAGTCACATGGCTGGGACATGCCACGGTAATGGTGGAAATGGAT  
GAGCTCATATTTCTCACGGATCCCATCTTTAGCTCTCGTGCTTACCATCGCAGTACATGGTCCAAAGC  
GATTTCTGTCGTTCCCGTGCACAATAAGTGAACCTCCCTCCAATAGATGCGGTCTTATCAGTCACAACCA  
CTATGACCATCTGGACTACAATTCTGTCAATGCTTTGAATGAGCGATTTGGTAATGAGTTGAGATGGTTT  
GTGCTTTGGGTCTCCTTGACTGGATGCAAAAATGTGGCTGTGAGAAATGTATTGAGTTGGACTGGTGGG  
AGGAGAATTGTGTCGCCGGACATGATAAGGTCACCTTTGTCTTTACACCTTCCAGCACTGGTGTAAAAG  
GACTCTAATGGATGACAACAAGGTGCTATGGGGCAGCTGGTCTGTCTTGGGGCCTTGAATCGATTTTTT  
TTCGCAGGAGATACTGGTTATTGCCCTGCTTTTGAAGAGATAGGAAAAGATTTGGACCTTTTGACCTTG  
CAGCTATTTCCATCGGAGCTTATGAACCGAGGTGTTTATGAAATACCAGCATGTAGACCCAGAAGAAGC  
TGTAAGGATTCACACTGATGTCCAAACAAGAAATCTATGGCAATTCAGTGGGAACTTTTGCTTAGCA  
AATGAGCATTACTTAGAGCCTCCAGTGAAGCTGAATGAAGCTCTAGAGAGATACGGACTTAACGCTGAAG  
ATTTTTTTGTCTTGAAGCATGGAGAATCAAGATACCTAAATAATAATGATGAAAACCTT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



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**Protein Sequence:** >RG209877 representing NM\_198990  
 Red=Cloning site Green=Tags(s)

MDENESNQLMTSSQYPKEAVRKRQNSARNSGASDSSRFSRKSFKLDYRLEEDVTKSKKGDGRFVNPWP  
 TWKNPSIPNVLRWLIMEKDHSSVPSSKEELDKELPVLKPYFITNPEEAGVREAGLRVTWLGHATVMVEMD  
 ELIFLTDPIFSSRASPSQYMGPKRFRSPCTISELPPIDAVLISHNHYDHLDYNSVIALNERFGNELRWF  
 VPLGLLDWMQKCGCENVIELDWEENCVPGHDKVTFVFTPSQHWCKRTLMDDNKVLWGSWSVLGPWNRFF  
 FAGDTGYCPAFEEIGKRFGPDLAAIPIGAYEPRWFMKYQHVDPEEAVRIHTDVQTKKSMATHWGTFFALA  
 NEHYLEPPVKLNEALERYGLNAEDFFVLKHGESRYLNNNDENF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_198990

**ORF Size:** 1179 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_198990.3](#), [NP\\_945341.2](#)

**RefSeq Size:** 4841 bp

**RefSeq ORF:** 1182 bp

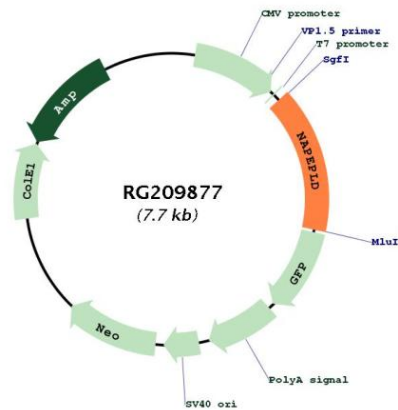
**Locus ID:** 222236

**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]

## Product images:



Circular map for RG209877