

Product datasheet for **RG225603**

NAPE PLD (NAPEPLD) (NM_001122838) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NAPE PLD (NAPEPLD) (NM_001122838) 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:	>RG225603 representing NM_001122838 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGATGAAAATGAAAGCAACCACTCTCTGATGACAAGCAGCCAATATCCTAAAGAAGCAGTAAGAAAAC
GTCAAAATTCAGCACGGAATTCGGAGCAAGTGATTCTTCTAGGTTTTCTAGGAAAAGCTTCAAAGTGA
TTATAGACTAGAAGAAGATGTAATAAATCCAAGAAAGGAAAAGATGGGAGATTTGTGAATCCGTGGCCA
ACATGGAAAAACCCCTCTATTCCAAATGTTCTCAGATGGCTGATAATGGAGAAAGATCACAGCAGTGTTT
CAAGTTCTAAAGAGGAACTAGACAAAGAACTCCAGTGCTTAAGCCATATTTTATCACTAACCTGAAGA
AGCTGGAGTGAGGGAAGCTGGCTTAAGAGTCACATGGCTGGGACATGCCACGGTAATGGTGGAAATGGAT
GAGCTCATATTTCTACGGATCCCATCTTTAGCTCTCGTGCTTACCATCGCAGTACATGGGTCCAAAGC
GATTTTCGTCGTTCCCGTGCACAATAAGTGAATCCCTCCAATAGATGCGGTCTTATCAGTCACAACCA
CTATGACCATCTGGACTACAATTCTGTCTTGTGCTTTGAATGAGCGATTTGGTAATGAGTTGAGATGGTTT
GTGCCTTTGGGTCTCTTGACTGGATGCAAAAATGTGGCTGTGAGAAATGTGATTGAGTTGGACTGGTGGG
AGGAGAATTGTGTCCTCCCGGACATGATAAGGTCACTTTTGTCTTTACACCTTCCAGCACTGGTGTAAAG
GACTCTAATGGATGACAACAAGGTGCTATGGGGCAGCTGGTCTGTCTTGGGGCCTTGAATCGATTTTTT
TTCGCAGGAGATACTGGTTATTGCCCTGCTTTTGAAGAGATAGGAAAAGATTTGGACCTTTTGACCTTG
CAGCTATTCCCATCGGAGCTTATGAACCGAGGTGTTTATGAAATACCAGCATGTAGACCCAGAAGAAGC
TGTAAGGATTCACACTGATGTCCAAACAAAGAAATCTATGGCAATTCAGTGGGGAACCTTTTGCTTAGCA
AATGAGCATTACTTAGAGCTCCAGTGAAGCTGAATGAAGCTCTAGAGAGATACGGACTTAACGCTGAAG
ATTTTTTGTCTTGAAGCATGGAGAATCAAGATACCTAAATAATGATGATGAAAACCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225603 representing NM_001122838
 Red=Cloning site Green=Tags(s)

MDENESNQSLMTSSQYPKEAVRKQNSARNSGASDSSRFSRKSFKLDYRLEEDVTKSKKGKDGRFVNPWP
 TWKNPSIPNVLRLIMEKDHSSVPSSKEELDKELPVLPYFITNPPEAGVREAGLRVTWLGHATVMVEMD
 ELIFLTDPIFSSRASPSQYMGPKRFRSPCTISELPPIDAVLISHNHYDHLDYNSVIALNERFGNELRWF
 VPLGLLDWMQKGCENVIELDWEENCVPBGHDVTFVFTPSQHWCKRTLMDDNKVLWGSWSVLGPWNRFF
 FAGDTGYCPAFEEIGKRFGPFDLAAIPIGAYEPRWFMKYQHVDPEEAVRIHTDVQTKKSMAIHWGTFALA
 NEHYLEPPVKLNEALERYGLNAEDFFVLKHGESRYLNDDENF

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001122838

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_001122838.2](#)

RefSeq Size: 5363 bp

RefSeq ORF: 1182 bp

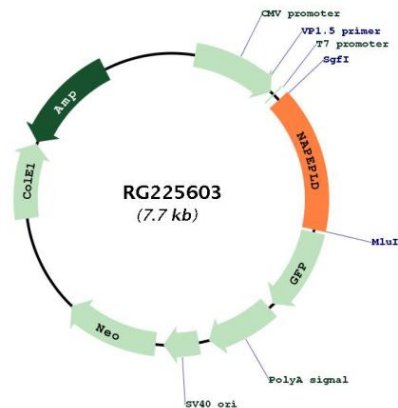
Locus ID: 222236

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 RG225603