

Product datasheet for **RG206783**

PLD3 (NM_001031696) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLD3 (NM_001031696) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PLD3
Synonyms:	AD19; HU-K4; HUK4; SCA46
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206783 representing NM_001031696
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCCTAAACTGATGTACCAGGAGCTGAAGGTGCCTGCAGAGGAGCCCGCCAATGAGCTGCCATGA
 ATGAGATTGAGGCGTGAAGGCTGCGGAAAAGAAAGCCCGCTGGTCTGCTGGTCTCATTCTGGCGGT
 TGTGGGCTTCGGAGCCCTGATGACTCAGCTGTTTCTATGGGAATACGGGACTTGTCATCTTTGGGCC
 AACCCAGCGCCAGCCCTGCTATGACCCTTGCGAAGCAGTGTGGTGGAAAGCATTCTGAGGGCTGG
 ACTTCCCAATGCCTCCACGGGGAACCTTCCACCAGCCAGGCCTGGCTGGGCTGCTCGCCGGTGC
 CAGCAGCTGGACATCGCTCCTTCTACTGGACCCTACCAACAATGACACCCACACGCAGGAGCCCTCT
 GCCCAGCAGGGTGAAGGCTCCCGCAGCTGCAGACCCTGGCACCAGGGCGTGAACGTCCGCATCG
 CTGTGAGCAAGCCAGCGGGCCAGCCACAGGGGACCTGCAGGCTCTGCTGCAGAGCGGTGCCAGGT
 CCGCATGTTGACATGCAGAAGCTGACCATGGCGTCTGCATACCAAGTCTGGGTGGTGGACCAGACC
 CACTTCTACCTGGCAGTGCCAACATGGACTGGGTTCACTGACCAGGTCAAGGAGCTGGGCGTGGTCA
 TGTACAACCTGCAGCTGCCTGGCTCGAGACCTGACCAAGATCTTTGAGGCCTACTGTTTCTGGGCCAGGC
 AGGCAGCTCCATCCCATCAACTGGCCCGGTTCTATGACACCCGCTACAACCAAGAGACACCAATGGAG
 ATCTGCCTCAATGGAACCCCTGCTCTGGCTACCTGGCGAGTGCGCCCCACCCCTGTGTCCAAGTGGCC
 GCACTCCAGACCTGAAGGCTCTACTCAACGTGGTGGACAATGCCCGGAGTTTCATCTACGTCGCTGCAT
 GAACTACCTGCCACTCTGGAGTCTCCACCCTCACAGTTCGGCCTGCCATTGACGATGGGCTGCGG
 CGGGCCACCTACGAGCGTGGCGTCAAGGTGCGCCTGCTCATCAGCTGCTGGGACACTCGGAGCCATCCA
 TCGGGCCTTCTGCTCTCTGGCTGCCCTGCGTGACAACCACTCCACTCTGACATCCGAGTGAATCA
 CTTTGTGGTCCCCGGGATGAGGCCAGGCTCGAATCCCATATGCCCGTGTCAACCACAACAAGTACATG
 GTGACTGAACGCGCCACCTACATCGGAACCTCCAAGTGGTCTGGCAACTACTTCACGAGACGGCGGCA
 CCTCGCTGCTGGTACGCAGAATGGGAGGGGCGGCTGCGGAGCCAGCTGGAGGCCATTTCTGAGGGA
 CTGGGACTCCCCTACAGCCATGACCTTGACACCTCAGCTGACAGCGTGGGCAACGCCTGCCGCTGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG206783 representing NM_001031696
 Red=Cloning site Green=Tags(s)

MKPKLMYQELKVPAEEPANELPMNEIEAWKAAEKARWVLLVLLAVVGFALMTQLFLWEYGDHLHFGP
 NQRPAPCYDPCAVLVEIPEGLDFPNASTGNPSTSQAWLGLLAGAHSSLDIASFYWTLTNNDTHTQEPS
 AQQGEEVLRQLQTLAPKGVNRIAVSKPSGPQPQADLQALLQSGAQVRMVDQMQLTHGVLHTKFWVDQT
 HFYLGANMDWRSLTQVKELGVVMYNCCLARDLTKIFEAYWFLGQAGSSIPSTWPRFYDTRYNQETPME
 ICLNGTPALAYLASAPPLCPSGRTPDLKALLNVVDNARSFIYVAVMNYLPTLEFSHPHFWPAIDDGLR
 RATYERGVKVRLLISCWGHSEPSMRAFLLSLAALRDNHTSDIQVKLFVVPADAEQARIPYARVNHNKYM
 VTERATYIGTSNWSGNYFTETAGTSLLVTONRGGRLRSQLEAIFLRDWDSPYSHDLDTSDSVGNACRLL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001031696

ORF Size: 1470 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_001031696.3](#)

RefSeq Size: 1954 bp

RefSeq ORF: 1473 bp

Locus ID: 23646

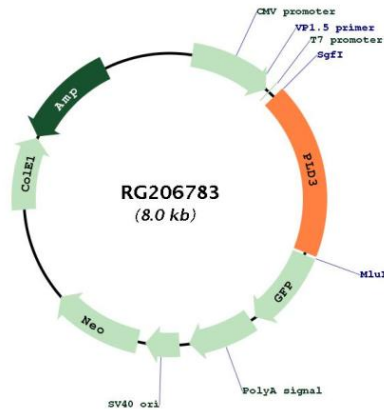
UniProt ID: [Q8IV08](#)

Cytogenetics: 19q13.2

Protein Families: Transmembrane

Gene Summary: This gene encodes a member of the phospholipase D (PLD) family of enzymes that catalyze the hydrolysis of membrane phospholipids. The encoded protein is a single-pass type II membrane protein and contains two PLD phosphodiesterase domains. This protein influences processing of amyloid-beta precursor protein. Mutations in this gene are associated with Alzheimer disease risk. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Apr 2014]

Product images:



Circular map for RG206783