

Recombinant Human PLD3, GST-tagged

Cat. No. PLD3-105H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLD3(1 a.a. - 490 a.a.) , fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	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.
Molecular Mass	81.1 kDa
AA Sequence	MKPKLMYQELKVPAAEELPMNEIEAWKAAEKKARWVLLVLILAVVGFGALMTQL FLWEYGDLHLFGPNQRPA PCYDPCEAVLVESIPEGLDFPNASTGNPSTSQAWLGLL AGAHSSLDIASFYWTLTNNDTHTQEPSAQQGEEVLRQ LQTLAPKGVNVRIAVSKPS GPQPQADLQALLQSGAQVRMVDQMQLTHGVLHTKFWVVDQTHFYLG SANMDWRS LT QVKELGVVMYNCSC LARDLT KIFEAYWFLGQAGSSIPSTWPRFYDTRYNQETPM EICLNGTPALAYLASAPPPLC PSGRTPDLKALLNVVDNARSFIYVAVMNYLPTLEFSH PHRFWPAIDDGLRRATYERGVKVRLLISCWGHSEPSMR AFLLSLAALRDNHTHSDI QVKLFVVPADAE AQARIPYARVNH NKYMVTERATYIGTSNWSGNYFTETAGTSLLV TQ

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NGRGGLRSQLEAIFLRDWDSPYSHDLDTADSVDGNACRL

Applications ELISA; WB-Re; AP; Array

Storage Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name PLD3 phospholipase D family, member 3 [Homo sapiens (human)]

Official Symbol PLD3

Synonyms PLD3; HUK4; HU-K4; phospholipase D family, member 3; hospholipase D3; PLD 3; hindIII K4L homolog; choline phosphatase 3; phosphatidylcholine-hydrolyzing phospholipase D3; NP_001026866.1; EC 3.1.4.4; NP_036400.2

Gene ID [23646](#)

mRNA Refseq [NM_001031696](#)

Protein Refseq [NP_001026866](#)

MIM [615698](#)

UniProt ID Q8IV08

Chromosome Location 19q13.2

Pathway Ether lipid metabolism; Glycerophospholipid biosynthesis; Phospholipid metabolism

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Function	NAPE-specific phospholipase D activity; phospholipase D activity; protein binding
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