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	MKPKLMYQELKVPAEEPANELPMNEIEAWKAAEKKARWVLLVLILAVVGFGALMTQL FLWEYGDLHLFGPNQRPA PCYDPCEAVLVESIPEGLDFPNASTGNPSTSQAWLGLL AGAHSSLDIASFYWTLTNNDTHTQEPSAQQGEEVLRQ LQTLAPKGVNVRIAVSKPS GPQPQADLQALLQSGAQVRMVDMQKLTHGVLHTKFWVVDQTHFYLGSANMDWRS LT QVKELGVVMYNCSCLARDLTKIFEAYWFLGQAGSSIPSTWPRFYDTRYNQETPM EICLNGTPALAYLASAPPPLC PSGRTPDLKALLNVVDNARSFIYVAVMNYLPTLEFSH PHRFWPAIDDGLRRATYERGVKVRLLISCWGHSEPSMR AFLLSLAALRDNHTHSDI QVKLFVVPADEAQARIPYARVNHNKYMVTERATYIGTSNWSGNYFTETAGTSLLVTQ

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	NGRGGLRSQLEAIFLRDWDSPYSHDLDTSADSVGNACRLL
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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