

Recombinant Full Length Human PLD2 Protein, GST-tagged

Cat. No. PLD2-383HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PLD2(1 a.a. - 933 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	933 amino acids
Description	The protein encoded by this gene catalyzes the hydrolysis of phosphatidylcholine to phosphatidic acid and choline. The activity of the encoded enzyme is enhanced by phosphatidylinositol 4,5-bisphosphate and ADP-ribosylation factor-1. This protein localizes to the peripheral membrane and may be involved in cytoskeletal organization, cell cycle control, transcriptional regulation, and/or regulated secretion. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	132.3 kDa
AA Sequence	MTATPESLFP TGDELDSSQL QMESDEVDTL KEGEDPADRM HPFLAIYELQ SLKVHPLVFA PGVPVTAQVV GTERYTSGSK VGTCTLYSVR LTHGDFSWTT KKKYRHFQEL HRDLLRHKVL MSLPLARFA VAYSPARDAG NREMPSLPRA GPEGSTRHAA SKQKYLENYL NCLLTMSFYR NYHAMTEFLE VSQLSFIPDL GRKGLEGMIR KRSGGHRVPG LTCCGRDQVC YRWSKRWLVV KDSFLLYMCL ETGAISFVQL FDPGFEVQVG KRSTEARHGV RIDTSHRSLI LKCSSYRQAR WWAQEITELA QGPGRDFLQL HRHDSYAPPR PGTLARWFDVN GAGYFAAVAD

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AILRAQEEIF ITDWWLSPEV YLKRPASDD WRDMLKRRK AEEGVRVSIL
 LFKEVELALG INSGYSKRAL MLLHPNIKVM RHPDQVTLWA HHEKLLVVDQ
 VVAFLGGLDL AYGRWDDLHY RLTDLGDSSE SAASQPPTPR PDSPATPDLS
 HNQFFWLKGD YSNLITKDWV QLDRPFEDFI DRETTTPRMPW RDVGVVHGL
 PARDLARHFI QRWNFTKTTK AKYKTPIYPY LLPKSTSTAN QLPFTLPGGQ
 CTTVQVLRVS DRWSAGTLEN SILNAYLHTI RESQHFLYIE NQFFISCSDG
 RTVLNKVGDE IVDRILKAHK QGWCYRVYVL LPLLPGFEGD ISTGGGNSIQ
 AILHFTYRTL CRGEYSILHR LKAAMGTAWR DYISICGLRT HGELGGHPVS
 ELIYHISKVL IADDRTVIIG SANINDRSLL GKRDSSELAVL IEDTETEPSL
 MNGAEYQAGR FALSRLKHCF GVILGANTRP DLDLRDPICD DFFQLWQDMA
 ESNANIYEQI FRCLPSNATR SLRTLREYVA VEPLATVSPP LARSELTQVQ
 GHLVHFPLKF LEDESLLPPL GSKEGMIPLE VWT

Applications	ELISA; WB-Re; AP; Array
Storage	Store at -80 centigrade. 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	PLD2 phospholipase D2 [Homo sapiens (human)]
Official Symbol	PLD2
Synonyms	PLD2; phospholipase D2; PLD1C; hPLD2; choline phosphatase 2; phosphatidylcholine-hydrolyzing phospholipase D2; NP_001230037.1; EC 3.1.4.4
Gene ID	5338
mRNA Refseq	NM_002663

Protein Refseq	NP_002654
MIM	602384
UniProt ID	O14939

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