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## Datasheet for ABIN1473881 PLCD1 Protein (AA 1-756) (His tag)

### Overview

Quantity:	1 mg
Target:	PLCD1
Protein Characteristics:	AA 1-756
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLCD1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>MDSGRDFLT L HGLQDDPDLQ ALLKGSQLLK VKSSSWRRER FYKLQEDCKT IWQESRKVMR</p> <p>SPESQLFSIE DIQEVRMGHR TEGLEKFARD IPEDRCFSIV FKDQRNTLDL IAPSPADAQH</p> <p>WVQGLRKIIH HSGSMDQRQK LQHWIHSCLR KADKNKDNKM NFKELKDFLK ELNIQVDDGY</p> <p>ARKIFRECDH SQTDSLEDEE IETFYKMLTQ RAEIDRAFEE AAGSAETLSV ERLVTFLQHQ</p> <p>QREEEAGPAL ALSLIERYEP SETAKAQRQM TKDGFLMYLL SADGNAFSLA HRRVYQDMDQ</p> <p>PLSHYLVSSS HNTYLLDQL TGPSSTEAYI RALCKGCRCL ELDCWDGPNQ EPIIYHGYTF</p> <p>TSKILFCDVL RAIRDYAFKA SPYPVILSLE NHCSLEQQRV MARHLRAILG PILLDQPLDG</p> <p>VTTSLPSPEQ LKGKILLKGK KLGGLLPAGG ENGSEATDVS DEVEAAEMED EAVRSQVQHK</p> <p>PKEDKLKLV ELSDMIYCK SVHFGGFSSP GTSGQAFYEM ASFSESRLR LLQESGNGFV</p> <p>RHNVSCLSRI YPAGWRTDSS NYSPVEMWNG GCQIVALNFQ TPGPEMDVYL GCFQDNGGCG</p> <p>YVLKPAFLRD PNTTFNSRAL TQGPWWRPER LRVRIISGQQ LPKVNKNKNS IVDPKVIVEI</p> <p>HGVGRDTGSR QTAVITNNGF NPRWDMEFEF EVTVPDLALV RFMVEDYDSS SKNDFIGQST</p>
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## Product Details

IPWNSLKQGY RHVHLLSKNG DQHPSATLFV KISIQD

Specificity: Rattus norvegicus (Rat)

Characteristics: Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: > 90 %

## Target Details

Target: PLCD1

Alternative Name: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1 (Plcd1) ([PLCD1 Products](#))

Background: Recommended name: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1.  
EC= 3.1.4.11.  
Alternative name(s): Phosphoinositide phospholipase C-delta-1 Phospholipase C-III.  
Short name= PLC-III Phospholipase C-delta-1.  
Short name= PLC-delta-1

UniProt: [P10688](#)

Pathways: [WNT Signaling](#), [Myometrial Relaxation and Contraction](#), [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

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Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.