

Datasheet for ABIN1658816
PDPK1 Protein (AA 1-491) (His tag)



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Overview

Quantity:	1 mg
Target:	PDPK1
Protein Characteristics:	AA 1-491
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDPK1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MLAMEKEFDS KLVLQGNSSN GANVSRSKSF SFKAPQENFT SHDFEFGKIY GVGSYSKVVR AKKKETGTVY ALKIMDKKFI TKENKTAYVK LERIVLDQLE HPGIIKLYFT FQDTSSLYMA LESCGGELF DQITRKGRLS EDEARFYTAE VVDALEYIHS MGLIHRDIKP ENLLLTSDGH IKIADFGSVK PMQDSQITVL PNAASDDKAC TFGTAAYVP PEVLNSSPAT FGNDLWALGC TLYQMLSGTS PFKDASEWLI FQRIIARDIK FPNHFSEAAR DLIDRLLDTE PSRRPGAGSE GYVALKRHPF FNGVDWKNLR SQTPPKLAPD PASQTASPER DDTHGSPWNL THIGDSLATQ NEGHSAPPTS SESSGSITRL ASIDSFDSRW QGFLEPGESV LMISAVKKLQ KITSKKVQLI LTNPKKLIYV DPSKLVVKG N IIVSDNSNDL NVVVTSPSHF KICTPKKVLS FEDAKQRASV WKKAIETLQN R
Specificity:	Arabidopsis thaliana (Mouse-ear cress)
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.

Product Details

Purity: > 90 %

Target Details

Target: PDPK1

Alternative Name: 3-phosphoinositide-dependent protein kinase 1 (PDPK1) ([PDPK1 Products](#))

Background: Recommended name: 3-phosphoinositide-dependent protein kinase 1.
Short name= AtPDK1.
EC= 2.7.11.1

UniProt: [Q9XF67](#)

Pathways: [PI3K-Akt Signaling](#), [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Cell-Cell Junction Organization](#), [Regulation of Cell Size](#), [Skeletal Muscle Fiber Development](#), [CXCR4-mediated Signaling Events](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [VEGFR1 Specific Signals](#)

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

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling

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.