Datasheet for ABIN7585468

PDPK1 Protein (AA 1-559) (His tag)

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Overview

Quantity:	100 µg
Target:	PDPK1
Protein Characteristics:	AA 1-559
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDPK1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MARTTSQLYD AVPIQSSVVL CSCPSPSMVR SQTEPSSSPG IPSGVSRQGS TMDGTTAEAR PSTNPLQQHP AQLPPQPRKK RPEDFKFGKI LGEGSFSTVV LARELATSRE YAIKILEKRH IIKENKVPYV TRERDVMSRL DHPFFVKLYF TFQDDEKLYF GLSYAKNGEL LKYIRKIGSF DETCTRFYTA EIVSALEYLH GKGIIHRDLK PENILLNEDM HIQITDFGTA KVLSPDSKQA RANSFVGTAQ YVSPELLTEK SACKSSDLWA LGCIIYQLVA GLPPFRAGNE YLIFQKIIKL EYDFPEKFFP KARDLVEKLL VLDATKRLGC EEMEGYGPLK AHPFFESITW ENLHQQTPPK LTAYLPAMSE DDEDCYGNYD NLLSQFGCMQ VSSSSSSHSL SAVDASLPQR SGSNIEQYIH DLDTNSFELD LQFSEDEKRL LLEKQAGGNP WHQFVENNLI LKMGPVDKRK GLFARRRQLL LTEGPHLYYV DPVNKVLKGE IPWSQELRPE AKNFKTFFVH TPNRTYYLMD PSGNAHKWCR KIQEVWRQQY QSSPDAAVQ
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien

Product Details

	cells or by baculovirus infection. Be aware about differences in price and lead time.
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. EC= 2.7.11.1. Alternative name(s): Protein kinase B kinase. Short name= PkB kinase
UniProt:	O55173
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 modificated 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

Handling

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.