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Datasheet for ABIN1476202 PKC alpha Protein (AA 2-672) (His tag)

Overview

Quantity:	1 mg
Target:	PKC alpha (PKCa)
Protein Characteristics:	AA 2-672
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PKC alpha protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>ADVYPANDS TASQDVANRF ARKGALRQKN VHEVKDHKFI ARFFKQPTFC SHCTDFIWGF</p> <p>GKQGFQCQVC CFVVHKRCHE FVTFSCPGAD KGPDTDDPRS KHKFKIHTYG SPTFCDHCGS</p> <p>LLYGLIHQGM KCDTCDMNVH KQCVINVPSL CGMDHTEKRG RIYLKAEVTD EKLHVTVRDA</p> <p>KNLIPMDPNG LSDPYVKLKL IPDPKNESQ KTKTIRSTLN PQWNESTFK LKPSDKDRRL</p> <p>SVEIWDWDRTRNDFMGSLSGVSELMKMP ASGWYKLLNQ EEEYNNVPI PEGDEEGNVE</p> <p>LRQKFEKAKL GPAGNKVISP SEDRKQPSNN LDRVKLTDNF FLMVLGKGSF GKVMLADRGK</p> <p>TEELYAIKIL KKDVIQDDD VECTMVEKRV LALLDKPPFL TQLHSCFQTV DRLYFVMEYV</p> <p>NGGDLMYHIQ QVGKFKEPQA VFYAAEISIG LFFLHKRGII YRDLKLDNVM LDSEGHKIA</p> <p>DFGMCKEHMM DGVTTTRTFCTPDYIAPEII AYQPYGKSVD WWAYGVLLYE MLAGQPPFDG</p> <p>EDEDELFSI MEHNVSYPKS LSKEAVSICK GLMTKHPAKR LGCGPEGERD VREHAFFRRI</p> <p>DWEKLENREI QPPFKPKVCG KGAENFDKFF TRGQPVLTTP DQLVIANIDQ SDFEGFSYVN</p> <p>PQFVHPILQS AV</p>
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Product Details

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:	PKC alpha (PKCa)
Alternative Name:	Protein kinase C alpha type (Prkca) (PKCa Products)
Background:	Recommended name: Protein kinase C alpha type. Short name= PKC-A. Short name= PKC-alpha. EC= 2.7.11.13
UniProt:	P05696
Pathways:	WNT Signaling , TCR Signaling , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Thyroid Hormone Synthesis , cAMP Metabolic Process , Myometrial Relaxation and Contraction , Cell-Cell Junction Organization , Regulation of G-Protein Coupled Receptor Protein Signaling , G-protein mediated Events , Signaling Events mediated by VEGFR1 and VEGFR2 , Interaction of EGFR with phospholipase C-gamma , Thromboxane A2 Receptor Signaling , VEGFR1 Specific Signals , VEGF Signaling

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 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.