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Datasheet for ABIN1660498

**PRKACA Protein (AA 1-404) (His tag)**

## Overview

Quantity:	1 mg
Target:	PRKACA
Protein Characteristics:	AA 1-404
Origin:	C. elegans
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRKACA protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	MPTRLDIVGN LQFSSSTDNG DEDQEADVTA CFVLPSPSSF SKLSILDDPV EDFKEFLDKA REDFKQRWEN PAQNTACLDD FDRIKTLGTG SFGRVMLVKH KQSGNYYAMK ILDKQKVVKL KQVEHTLNEK RILQAIDFPF LVNMTFSFKD NSNLYMVLEF ISGGEMFSLH RRIGRFSEPH SRFYAAQIVL AFEYLHSLDL IYRDLKPENL LIDSTGYLKI TDFGFAKRVK GRTWTLCGTP EYLAPEIILS KGYNKAVDWW ALGVLIYEMA AGYPPFFADQ PIQIYEKIVS GKVKFP SHFS NELKDLLKNL LQVDLTKRYG NLKNGVADIK NHKWFGSTDW IAIYQKKITP PSFSKGESNG RLFEALYPRV DGPADTRHFV EEVQEPTEFV IAATPQLEEL FVEF
Specificity:	Caenorhabditis elegans
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

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Target:	PRKACA
Alternative Name:	cAMP-dependent protein kinase catalytic subunit (kin-1) ( <a href="#">PRKACA Products</a> )
Background:	Recommended name: cAMP-dependent protein kinase catalytic subunit. Short name= PKA C. EC= 2.7.11.11
UniProt:	<a href="#">P21137</a>
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">Hedgehog Signaling</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Thyroid Hormone Synthesis</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">M Phase</a> , <a href="#">G-protein mediated Events</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">Interaction of EGFR with phospholipase C-gamma</a> , <a href="#">Thromboxane A2 Receptor Signaling</a> , <a href="#">VEGFR1 Specific Signals</a> , <a href="#">Lipid Metabolism</a> , <a href="#">SARS-CoV-2 Protein Interactome</a> , <a href="#">The Global Phosphorylation Landscape of SARS-CoV-2 Infection</a>

## Application Details

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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

## Handling

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Storage: -20 °C

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.