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Datasheet for ABIN1460204

**PRKACB Protein (AA 2-351) (His tag)**

## Overview

Quantity:	1 mg
Target:	PRKACB
Protein Characteristics:	AA 2-351
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRKACB protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	GNAATAKKG SEVESVKEFL AKAKEDFLKK WENPAPNNAG LEDFERKKTL GTGSFGRVML VKHKATEQYY AMKILDKQKV VKLKQIEHTL NEKRILQAVN FPFLVRLEYA FKDNSNLYMV MEYVPGGEMF SHLRRIGRFS EPARFYAAQ IVLTFEYLHS LDLIYRDLKP ENLLIDHQGY IQVTDFGFAK RVKGRTWTLC GTPEYLAPEI ILSKGYNKAV DWWALGVLIY EMAAGYPPFF ADQPIQIYEK IVSGKVRFPS HFSSDLKDLL RNLLQVDLTK RFGNLKNGVS DIKTHKW FAT TDWIAIYQRK VEAPFIPKFR GSGDTSNFDD YEEEDIRVSI TEKCGKEFCE F
Specificity:	Bos taurus (Bovine)
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:	PRKACB
Alternative Name:	cAMP-dependent protein kinase catalytic subunit beta (PRKACB) ( <a href="#">PRKACB Products</a> )
Background:	Recommended name: cAMP-dependent protein kinase catalytic subunit beta. Short name= PKA C-beta. EC= 2.7.11.11
UniProt:	<a href="#">P05131</a>
Pathways:	<a href="#">AMPK 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="#">Myometrial Relaxation and Contraction</a> , <a href="#">M Phase</a> , <a href="#">G-protein mediated Events</a> , <a href="#">Interaction of EGFR with phospholipase C-gamma</a> , <a href="#">Lipid Metabolism</a>

## 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.