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Datasheet for ABIN1632433

**PRKAB1 Protein (AA 2-270) (His tag)**

## Overview

Quantity:	1 mg
Target:	PRKAB1
Protein Characteristics:	AA 2-270
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRKAB1 protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	GNTSSERAA LDRQGGHKTP RRDSSGGSKD GDRPKILMDS PEDADLFHSE EIKAPEKEEF LAWQHDLEVN DKAPAQARPT VFRWTGGGKE VYLSGSFNNW SKLPLTRSHN NFVAILDLPE GEHQYKFFVD GQWTHDPSEP VVTSQLGTVN NVIQVKKTDf EVFDALMVDS QKCSDVSELS SSPPGPYHQE PYISKPEERF KAPPILPPHL LQVILNKDTG ISCDPALLPE PNHVMLNHLY ALSIKDGVMV LSATHRYKKK YVTTLTYKPI
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:	PRKAB1
Alternative Name:	5-AMP-activated protein kinase subunit beta-1 (PRKAB1) ( <a href="#">PRKAB1 Products</a> )
Background:	Recommended name: 5'-AMP-activated protein kinase subunit beta-1. Short name= AMPK subunit beta-1. Short name= AMPKb
UniProt:	<a href="#">Q5BIS9</a>
Pathways:	<a href="#">AMPK Signaling</a> , <a href="#">Warburg Effect</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.