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Datasheet for ABIN1634404  
**CAMK1 Protein (AA 1-374) (His tag)**

### Overview

Quantity:	1 mg
Target:	CAMK1
Protein Characteristics:	AA 1-374
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CAMK1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MPGAVEGPRW KQAEDIRDIY DFRDVLGTGA FSEVILAEDK RTQKLVAIKC IAKKALEGKE GSMENEIAVL HKIKHPNIVA LDDIYESGGH LYLMQLVSG GELFDRIVEK GFYTERDASR LIFQVLDAVK YLHDLGIVHR DLKPENLLYY SLDEDSKIMI SDFGLSKMED PGSVLSTACG TPGYVAPEVL AQKPYSKAVD CWSIGVIAYI LLCGYPPFYD ENDAKLFEQI LKAEYEFDSP YWDDISDSAK DFIRHLMEKD PEKRFTCEQA LQHPWIAGDT ALDKNIHQSV SEQIKKNFAK SKWKQAFNAT AVVRHMRKLQ LGTSQEGQGQ TASHGELLTP TAGGPAAGCC CRDCCVEPGS ELPPAPPPSS RAMD
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

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Target:	CAMK1
Alternative Name:	Calcium/calmodulin-dependent protein kinase type 1 (Camk1) ( <a href="#">CAMK1 Products</a> )
Background:	Recommended name: Calcium/calmodulin-dependent protein kinase type 1. EC= 2.7.11.17. Alternative name(s): CaM kinase I. Short name= CaM-KI CaM kinase I alpha. Short name= CaMKI-alpha
UniProt:	<a href="#">Q63450</a>
Pathways:	<a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Smooth Muscle Cell Migration</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
Storage:	-20 °C

## Handling

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