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Datasheet for ABIN1646417

## CAMK2D Protein (AA 1-475) (His tag)

### Overview

Quantity:	1 mg
Target:	CAMK2D
Protein Characteristics:	AA 1-475
Origin:	Xenopus laevis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CAMK2D protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>MASTTCTRFT DEYQLFEELG KGAFSVVRR ICINIGQEYA AKIINTKKLS ARDHQKLRE</p> <p>AKICRLLKHP NIVRLHDSIS EEGFHYLVFD LVTGGELFED IVAREYYSEA DASHCIQQIL</p> <p>ESVNHCHLNG IVHRDLKPEN LLLASKLKGA AVKLADFGLA IEVQGDQQAW FGAGTPGYL</p> <p>SPEVLRKDPY GKPVDMWACG VILYILLVG YPPFWDEDQHR LYQKIKAGAY DFPSPEWDTV</p> <p>TPEAKDLINK MLTINPAKRI NATEALRHPW ICQRSTVASM MHRQETVDCL KKFNARRKLK</p> <p>GAILTTMLAT RNFSAKSLLK KPDGVKESTE SSNTTIED EDVKARKQEIIK VTEQLIEAIN</p> <p>NGDFEAYTKI CDPGLTSFEP EALGNLVEGM DFHRFYFENA LSKSNKPVHT IILNPHVHLI</p> <p>GEDAACIAYI RLTQYLD SAGMPKTMQSEET RVWHRRDGKW QNVHFHRSGS PTIPN</p>
Specificity:	Xenopus laevis (African clawed frog)
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.

## Product Details

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Purity: > 90 %

## Target Details

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Target: CAMK2D

Alternative Name: Calcium/calmodulin-dependent protein kinase type II delta chain (camk2d) ([CAMK2D Products](#))

Background: Recommended name: Calcium/calmodulin-dependent protein kinase type II delta chain.  
Short name= CaM kinase II subunit delta.  
Short name= CaM-kinase II delta chain.  
Short name= CaMK-II subunit delta.  
EC= 2.7.11.17

UniProt: [Q9DG02](#)

Pathways: [WNT Signaling](#), [Interferon-gamma Pathway](#), [Myometrial Relaxation and Contraction](#), [Smooth Muscle Cell Migration](#)

## 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 modiflicated 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

## Handling

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one week

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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.