

Datasheet for ABIN7583734

## CAMK4 Protein (AA 1-474) (His tag)



[Go to Product page](#)

### 1 Image

#### Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 100 µg                                       |
| Target:                       | CAMK4  |
| Protein Characteristics:      | AA 1-474                                     |
| Origin:                       | Rat  |
| Source:                       | Yeast  |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This CAMK4 protein is labelled with His tag. |
| Application:                  | ELISA  |

#### Product Details

|                  |  |
|------------------|--|
| Sequence:        | <p>MLKVTVPSCP SSPCSSVTSS TENLVPDYWI DGSKRDPLSD FFEVESELGR GATSIVYRCK</p> <p>QKGTQKPYAL KVLKKTVDKK IVRTEIGVLL RLSHPNIIKL KEIFETPTI SLVLELVTTGG ELFDRIVEKG</p> <p>YYSERDAADA VKQILEAVAY LHENGIVHRD LKPENLLYAT PAPDAPLKIA DFGLSKIVEH</p> <p>QVLMKTVCGT PGYCAPEILR GCAYGPEVDM WSVGIIITYIL LCGFEPFYDE RGDQFMFRR</p> <p>LNCEYYFISP WWDEVSLNAK DLVKKLIVLD PKKRLTTFQA LQHPWVTGKA ANFVHMDTAQ</p> <p>KKLQEFNARR KLKAAVKAVV ASSRLGSASS SHTNIQESNK ASSEAQPAQD GKDKTDPLEN</p> <p>KMQAGDHEAA KAAADETMKL QSEEEEEEEG VKEEEEEEEE EEETSRMVPQ EPEDRLETDD</p> <p>QEMKRNSEET LKSVEEEMDP KAEAAAAAVG LGVPPQDAI LPEY</p> |
| 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.   |

## Product Details

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Purity: > 90 %

## Target Details

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Target: CAMK4

Alternative Name: Calcium/calmodulin-dependent protein kinase type IV (Camk4) ([CAMK4 Products](#))

Background: Recommended name: Calcium/calmodulin-dependent protein kinase type IV.  
Short name= CaMK IV.  
EC= 2.7.11.17.  
Alternative name(s): CaM kinase-GR Calspermin

UniProt: [P13234](#)

Pathways: [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Production of Molecular Mediator of Immune Response](#), [G-protein mediated Events](#), [Interaction of EGFR with phospholipase C-gamma](#)

## 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

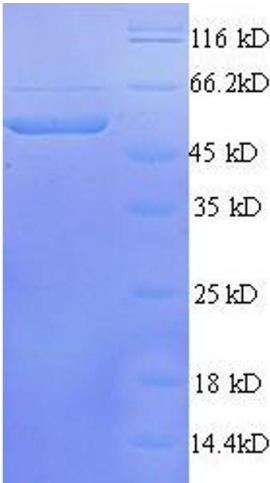
Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to

Handling

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

Images



**SDS-PAGE**

**Image 1.** Calcium/calmodulin-Dependent Protein Kinase IV (CAMK4) (AA 1-474) protein (His tag) expressed in E. coli