Datasheet for ABIN7583729

CAMKII gamma Protein (AA 1-527) (His tag)

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Overview

Quantity:	100 µg
Target:	CAMKII gamma (CAMK2G)
Protein Characteristics:	AA 1-527
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CAMKII gamma protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MATTATCTRF TDDYQLFEEL GKGAFSVVRR CVKKTSTQEY AAKIINTKKL SARDHQKLER EARICRLLKH PNIVRLHDSI SEEGFHYLVF DLVTGGELFE DIVAREYYSE ADASHCIHQI LESVNHIHQH DIVHRDLKPE NLLLASKCKG AAVKLADFGL AIEVQGEQQA WFGFAGTPGY LSPEVLRKDP YGKPVDIWAC GVILYILLVG YPPFWDEDQH KLYQQIKAGA YDFPSPEWDT VTPEAKNLIN QMLTINPAKR ITADQALKHP WVCQRSTVAS MMHRQETVEC LRKFNARRKL KGAILTTMLV SRNFSVGRQS SAPASPAASA AGLAGQAAKS LLNKKSDGGV KKRKSSSSVH LMEPQTTVVH NATDGIKGST ESCNTTTEDE DLKVRKQEII KITEQLIEAI NNGDFEAYTK ICDPGLTSFE PEALGNLVEG MDFHKFYFEN LLSKNSKPIH TTILNPHVHV IGEDAACIAY IRLTQYIDGQ GRPRTSQSEE TRVWHRRDGK WLNVHYHCSG APAAPLQ
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity:	> 90 %

Target Details

Target:	CAMKII gamma (CAMK2G)
Alternative Name:	Calcium/calmodulin-dependent protein kinase type II subunit gamma (Camk2g) (CAMK2G Products)
Background:	Recommended name: Calcium/calmodulin-dependent protein kinase type II subunit gamma. Short name= CaM kinase II subunit gamma. Short name= CaMK-II subunit gamma. EC= 2.7.11.17
UniProt:	P11730
Pathways:	WNT Signaling, Interferon-gamma Pathway, Hormone Transport, Myometrial Relaxation and Contraction, Regulation of long-term Neuronal Synaptic Plasticity

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 modificated 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

Handling

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