Datasheet for ABIN7583727

CAMK2B Protein (AA 1-542) (His tag)

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Overview

Quantity:	100 µg
Target:	CAMK2B
Protein Characteristics:	AA 1-542
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CAMK2B protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MATTVTCTRF TDEYQLYEDI GKGAFSVVRR CVKLCTGHEY AAKIINTKKL SARDHQKLER EARICRLLKH SNIVRLHDSI SEEGFHYLVF DLVTGGELFE DIVAREYYSE ADASHCIQQI LEAVLHCHQM GVVHRDLKPE NLLLASKCKG AAVKLADFGL AIEVQGDQQA WFGFAGTPGY LSPEVLRKEA YGKPVDIWAC GVILYILLVG YPPFWDEDQH KLYQQIKAGA YDFPSPEWDT VTPEAKNLIN QMLTINPAKR ITAHEALKHP WVCQRSTVAS MMHRQETVEC LKKFNARRKL KGAILTTMLA TRNFSVGRQT TAPATMSTAA SGTTMGLVEQ AKSLLNKKAD GVKPQTNSTK NSSAITSPKG SLPPAALEPQ TTVIHNPVDG IKESSDSTNT TIEDEDAKAR KQEIIKTTEQ LIEAVNNGDF EAYAKICDPG LTSFEPEALG NLVEGMDFHR FYFENLLAKN SKPIHTTILN PHVHVIGEDA ACIAYIRLTQ YIDGQGRPRT SQSEETRVWH RPDGKWQNVH FHCSGAPVAP LQ
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:	CAMK2B
Alternative Name:	Calcium/calmodulin-dependent protein kinase type II subunit beta (Camk2b) (CAMK2B Products)
Background:	Recommended name: Calcium/calmodulin-dependent protein kinase type II subunit beta. Short name= CaM kinase II subunit beta. Short name= CaMK-II subunit beta. EC= 2.7.11.17
UniProt:	P08413
Pathways:	WNT Signaling, Interferon-gamma Pathway, Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein Signaling, Smooth Muscle Cell Migration, 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

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.