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Datasheet for ABIN1658694

## PKC theta Protein (AA 1-707) (His tag)

### Overview

Quantity:	1 mg
Target:	PKC theta (PRKCQ)
Protein Characteristics:	AA 1-707
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PKC theta protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>MSPFLRIGLS NFDCGTCQAC QGEAVNPYCA VLVKEYVESE NGQMYIQKKP TMYPPWDSTF</p> <p>DAHINKGRVM QIIVKGKNVD LISETTVELY SLAERCCKNN GRTEIWLELK PQGRMLMNAR</p> <p>YFLEMSDTKD MSEFENEGFF ALHHRRGAIK QAKVHHVKCH EFTATFFPQP TFCSCHEFV</p> <p>WGLNKQGYQC RRCNAAIHKK CIDKVIKCT GSAINSRETM FHKERFKIDM PHRFKVYNYK</p> <p>SPTFCEHCGT LLWGLARQGL KCDACGMNVH HRCQTKVANL CGINQKLMAE ALAMIESTQQ</p> <p>ARTLRDSEHI FREGPIEISF PRSIKSETRP PCVPTPGKSE PQGICWESPL DGADKTAQPP</p> <p>EPEVNLQRAS LQLKLKIDDF ILHKMLGKGS FGKVFLAEFK RTKQFFAIKA LKKDVVLMDD</p> <p>DVECTMVEKR VLSLAWEHPF LTHMFCTFQT KENLFFVMEY LNGGDLMYHI QSCHKFDLSR</p> <p>ATFYAAEVIL GLQFLHSGKI VYRDLKLDNI LLDRDGHKI ADFGMCKENM LGDAKTNTFC</p> <p>GTPDYIAPEI LLGQKYNHSV DWWSEFVLLY EMLIGQSPFH GQDEEELFHS IRMDNPFYPR</p> <p>WLREAKDLL VKLFVREPEK RLGVVRGDIRQ HPLFREINWE ELERKEIDPP FRPKVKSPYD</p> <p>CSNFDKEFLS EKPRLSFADR ALINSMDQNM FSNFSFINPG METLICS</p>
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## Product Details

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

Target:	PKC theta (PRKCQ)
Alternative Name:	Protein kinase C theta type (Prkcq) ( <a href="#">PRKCQ Products</a> )
Background:	Recommended name: Protein kinase C theta type. EC= 2.7.11.13. Alternative name(s): nPKC-theta
UniProt:	<a href="#">Q9WTQ0</a>
Pathways:	<a href="#">TCR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a> , <a href="#">Thromboxane A2 Receptor Signaling</a>

## 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 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

Format:	Lyophilized
Concentration:	0.2-2 mg/mL

## Handling

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