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Datasheet for ABIN1509842

PKC iota Protein (AA 2-596) (His tag)

Overview

Quantity:	1 mg
Target:	PKC iota (PRKCI)
Protein Characteristics:	AA 2-596
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PKC iota protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	PTQRDSSTM SHTVACGGGG DSHQVRVKA YYRGDIMITH FEPSISFEGL CSEVRDMCSF DNEQPFTMKW IDEEGDPCTV SSQLEEEAF RLYELNKDSE LLIHVFPVCP ERPGMPCPGE DKSIYRRGAR RWRKLYCANG HTFQAKRFNR RAHCAICTDR IWGLGRQGYK CINCKLLVHK KCHKLVITIEC GRHSLPPEPM MPMDQSSMHP DHTQTVIPYN PSSHESLDQV GEEKEAMNTR ESGKASSSLG LQDFDLLRVI GRGSYAKVLL VRLKKTDRYI AMKVVKKELV NDDDEDWVQ TEKHVFEQAS NHPFLVGLHS CFQTESRLFF VIEYVNGGDL MFHMQRQRKL PEEHARFYSA EISLALNYLH ERGIYRDLK LDNVLLDSEG HIKLTDYGMC KEGLRPGDTT STFCGTPNYI APEILRGEDY GFSVDWWALG VLMFEMMAGR SPFDIVGSSD NPDQNTEDYL FQVILEKQIR IPRSLSVKAA SVLKSFLNKD PKERLGCHPQ TGFADIQHP FFRNVDWDM EQKQVPPFK PNISGEFGLD NFDSQFTNEP VQLTPDDDDI VRKIDQSEFE GFEYINPLLM SAEECV
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian

Product Details

cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: > 90 %

Target Details

Target: PKC iota (PRKCI)

Alternative Name: Protein kinase C iota type (Prkci) ([PRKCI Products](#))

Background: Recommended name: Protein kinase C iota type.
EC= 2.7.11.13.
Alternative name(s): Atypical protein kinase C-lambda/iota.
Short name= aPKC-lambda/iota nPKC-iota

UniProt: [F1M7Y5](#)

Pathways: [Neurotrophin Signaling Pathway](#), [Cell-Cell Junction Organization](#), [Tube Formation](#)

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 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

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.