

Datasheet for ABIN7596424

PKC iota Protein (AA 1-596) (His tag)



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Overview

Quantity:	500 µg
Target:	PKC iota (PRKCI)
Protein Characteristics:	AA 1-596
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PKC iota protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MPTQRDSSTM SHTVAGGGSG DSHQVRVKA YYRGDIMITH FEPSISFEGL CNEVRDMCSF DNEQLFTMKW IDEEGDPCTV SSQLELEEAF RLYELNKDSE LLIHVFPVCP ERPGMPCPGE DKSIYRRGAR RWRKLYCANG HTFQAKRFNR RAHCAICTDR IWGLGRQGYK CINCKLLVHK KCHKLVITIEC GRHSLPQEPV MPMDQSSMHS DHAQTVIPYN 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 FFRNVWDMM EQKQVPPFK PNISGEFGLD NFDSQFTNEP VQLTPDDDDI VRKIDQSEFE GFEYINPLLM SAECEV
Purity:	> 80% by SDS - PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

Target Details

Target:	PKC iota (PRKCI)
Alternative Name:	PKC iota (PRKCI Products)
Background:	PKC iota, also known as Protein Kinase C iota, is a member of serine/threonine protein kinases family. It play a key regulatory role in a number of cellular functions including cell growth and differentiation, hormone secretion, and gene expression. It is involved in cell polarization processes and the formation of epithelial tight junctions. This protein kinase is calcium-independent and phospholipid-dependent. It is also implicated in the activation of several signaling pathways including Ras, c-Src and NF-kappa-B pathways. Recombinant human PKC iota, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Molecular Weight:	69kDa(602aa)
NCBI Accession:	NP_002731
Pathways:	Neurotrophin Signaling Pathway , Cell-Cell Junction Organization , Tube Formation

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.