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Datasheet for ABIN7504509 PKC iota Protein (AA 10-596) (His tag)



Overview

Quantity:	100 µg
Target:	PKC iota (PRKCI)
Protein Characteristics:	AA 10-596
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PKC iota protein is labelled with His tag.

Product Details

Purpose:	Human PKC iota Protein
Sequence:	Met10-Val596
Characteristics:	Recombinant Human PKC iota Protein is expressed from Baculovirus-Insect Cells with His tag at the C-terminus.It contains Met10-Val596.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per μ g by the LAL method.

Target Details

Target:	PKC iota (PRKCI)
Alternative Name:	PKC iota (PRKCI Products)

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Target Details	
Background:	PKClambda/iota belongs to the third group of the PKC family, atypical PKC (aPKC), together with PKCzeta based on its sequence divergence from conventional and novel PKCs observed not only in the N-terminal regulatory domain but also in the kinase domain. Although one of the most distinct features of aPKC is its single, unrepeated cysteine-rich domain, recent studies have revealed that the N-terminal regulatory domain has additional aPKC-specific structural motifs involved in various protein-protein interactions, which are important for the regulation and the subcellular targeting of aPKC.
Molecular Weight:	68.78 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Tris-Bis PAGE result.
UniProt:	P41743
Pathways:	Neurotrophin Signaling Pathway, Cell-Cell Junction Organization, Tube Formation
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Supplied as 0.22 µm filtered solution in 50 mM Tris, 100 mM NaCl, 0.5 mM GSH, 0.5 mM PMSF, 10 % glycerol (pH 7.4).
Preservative:	PMSF
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months