

Bioactive

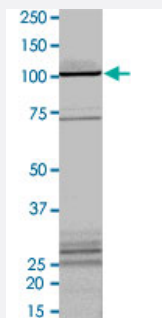
Full-Length

PRKCI (Human) Recombinant Protein

Catalog # P4760

Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

□

Specification

Product Description	Human PRKCI (NM_002740, 1 a.a. - 587 a.a.) full-length recombinant protein with GST-His tag expressed in Sf9 cells.
Host	insect
Theoretical MW (kDa)	98.027
Form	Liquid
Preparation Method	Insect cell (Sf9) expression system
Purification	One-step affinity purification using GSH agarose
Concentration	0.369 ug/uL

Activity	106 pmol/ug x min
Quality Control Testing	2 ug/lane SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Tris-HCl, 100 mM NaCl, pH 8.0. (5 mM DTT, 15 mM reduced glutathione, 20% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — PRKCI

Entrez GeneID	5584
Protein Accession#	NM_002740
Gene Name	PRKCI
Gene Alias	DXS1179E, MGC26534, PKCI, nPKC-iota
Gene Description	protein kinase C, iota
Omim ID	600539
Gene Ontology	Hyperlink
Gene Summary	<p>This gene encodes a member of the protein kinase C (PKC) family of serine/threonine protein kinases. The PKC family comprises at least eight members, which are differentially expressed and are involved in a wide variety of cellular processes. This protein kinase is calcium-independent and phospholipid-dependent. It is not activated by phorbol esters or diacylglycerol. This kinase can be recruited to vesicle tubular clusters (VTCs) by direct interaction with the small GTPase RAB2, where this kinase phosphorylates glyceraldehyde-3-phosphate dehydrogenase (GAPD/GAPDH) and plays a role in microtubule dynamics in the early secretory pathway. This kinase is found to be necessary for BCL-ABL-mediated resistance to drug-induced apoptosis and therefore protects leukemia cells against drug-induced apoptosis. There is a single exon pseudogene mapped on chromosome X. [provided by RefSeq]</p>

Other Designations

OTTHUMP00000196630|PRKC-lambda/iota|aPKC-lambda/iota|atypical protein kinase C-lambda/iota|protein kinase C iota type

Pathway

- [Endocytosis](#)
- [Insulin signaling pathway](#)
- [Tight junction](#)