

Recombinant Human PKC iota (N-GST tag)

Cat No:HR2R1879

For research use only

Overview

Quantity	10 ?g
Gene Symbol	PKC?
Gene ID	N/A
Accession	NM_002740
Alternative Name	PRKCI; DXS1179E; MGC26534; nPKC-iota
Species	Human
Source	Insect cells
Description	PKC? is a member of the protein kinase C family of serine-threonine kinases. The amino acid sequence of PKC? showed greatest homology to PKCzeta, with 72% identity overall rising to 84% in the catalytic domain. Protein kinase C iota (PKC?) has been implicated in Ras signaling and is a critical downstream effector of oncogenic Ras in the colonic epithelium. Transgenic mice expressing constitutively active PKC? in the colon are highly susceptible to carcinogen-induced colon carcinogenesis .?
Functions	The specific activity of PKC?was determined to be 664 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	98
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.