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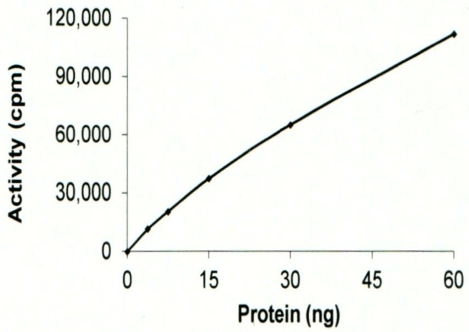
PRKCD
Recombinant Human Protein Kinase C delta, Active (GST Tag)

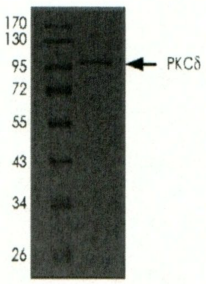
Catalog No.	CRP114B	**Quantity:**	10 µg
Alternate Names:	Protein kinase C delta type, Tyrosine-protein kinase PRKCD, nPKC-delta		
Description:	Protein kinase C delta (PKCδ) is a member of the protein kinase C (PKC) family of serine-threonine kinases. It shows strict dependence on the presence of phospholipids, but shows no activation by Ca2+. Phosphatidylinositol is the most potent activator of PKC delta. Northern blot analysis indicated that PKC delta is widely distributed in almost all the tissues and is a major isoform of PKC expressed in hemopoietic cells. PKC delta is involved in fundamental cellular functions regulated by diacylglycerols and mimicked by phorbol esters.		
UniProt ID:	Q05655		
Source:	Sf9 insect cells		
Molecular Weight:	~104 kDa (79 kDa protein kinase + ~25 kDa GST tag)		
Formulation:	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.25 mM DTT, 0.1 mM EDTA, 0.1 mM PMSF, 25% Glycerol.		
Purity:	>90% determined by densitometry.		
Concentration:	0.1 mg/ml		
Specific Activity:	250 nmol/min/mg per activity assay (protocol included)		
Storage & Stability:	Product shipped on dry ice. Store at or below -80°C. Stable for 1 year at -80°C from date of receipt. Upon initial thaw, briefly centrifuge the vial to consolidate product, prepare aliquots (>20 µl) and store -80°C . A**void repeated freeze-thaw cycles**.		

Specific Activity



The specific activity of PKCδ was determined to be **250 nmol /min/mg** as per activity assay protocol.

Purity



The purity was determined to be **>90%** by densitometry. Approx. MW **104kDa.**

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