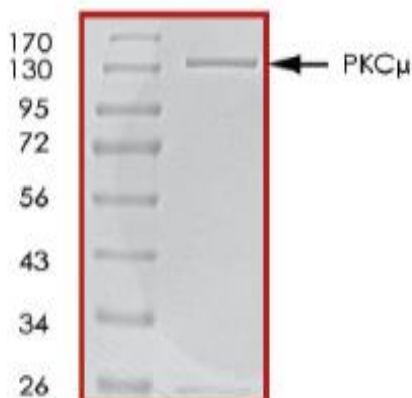


## PRKD1

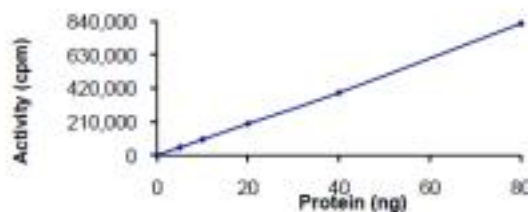
### Recombinant Human PRKD1/PKC $\mu$ GST Active

<b>Catalog No.</b>	CRP118A CRP118B	<b>Quantity:</b>	5 $\mu$ g 10 $\mu$ g
<b>Alternate Names:</b>	Protein Kinase D1, Protein Kinase C mu, PKC-mu, PKCM, PKD, PRKCM		
<b>Description:</b>	<p>Recombinant human full length PRKD1 with N-terminal GST tag.</p> <p>PRKD1 is a member of the protein kinase C (PKC) family that differs from the other PKC isoenzymes in structural and enzymatic properties. PRKD1 is ubiquitous in nature with the highest expression in the thymus, lung and peripheral blood mononuclear cells.</p> <p>PRKD1 forms a complex <i>in vivo</i> with a phosphatidylinositol 4-kinase and a phosphatidylinositol-4-phosphate 5-kinase. A region of PRKD1 between the N-terminal transmembrane domain and the pleckstrin homology domain is shown to be involved in the association with the lipid kinases.</p>		
<b>Concentration:</b>	0.1 $\mu$ g/ $\mu$ l		
<b>Gene 3/13/2013ID:</b>	5587		
<b>Protein Accession No:</b>	X75756		
<b>Source:</b>	Sf9 insect cells		
<b>Molecular Weight:</b>	~131 kDa		
<b>Formulation:</b>	Liquid in 50 mM Tris-HCl, pH 7.5 + 150 mM NaCl + 0.25 mM DTT + 0.1 mM EDTA + 0.1 mM PMSF + 25% glycerol		
<b>Purity:</b>	>90% as determined by densitometry		
<b>Specific Activity:</b>	640 nmol/min/mg		
<b>Storage &amp; Stability:</b>	Store product at -80°C. For optimal storage, aliquot into smaller quantities after centrifugation and store at -80°C. <b>Avoid repeated freeze/thaw cycles.</b>		

Purity >90% by densitometry



Specific Activity



The specific activity of PKC $\mu$  was determined to be **640 nmol/min/mg** as per activity assay protocol.

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



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