



# Recombinant Rat Protein kinase C delta type (Prkcd)

<b>Product Code</b>	CSB-MP018702RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P09215
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MAPFLRISFN SYELGSLQAE DDASQPFCAV KMKEALTTDR GKTLVQKKPT  MYPEWKSTFD AHIEGRVIQ IVLMRAAEDP MSEVTVGVSV LAERCKKNNG  KAEFWLDLQP QAKVLMCVQY FLEDGDCKQS MRSEEEAMFP  TMNRRGAIKQ AKIHYIKNHE FIATFFGQPT FCSVCKEFVW GLNKQGYKCR  QCNAAIHKKC IDKIIGRCTG TATNSRDTIF QKERFNIDMP HRFKVVNYMS  PTFCDHCGTL LWGLVKQGLK CEDCGMNVHH KCREKVANLC GINQKLLAEA  LNQVTQKASR KPETPETVGI YQGFEKKTAV SGNDIPDNNG TYGKIWEGSN  RCRLENFTFQ KVLGKGSFGK VLLAELKGKE RYFAIKYLKK DVVLIDDDVE  CTMVEKRVLA LAWENPFLTH LICTFQTKDH LFFVMEFLNG GDLMFHIQDK  GRFELYRATF YAAEIIICGLQ FLHGKGIYR DLKLDNVMLD KDGHIKIADF  GMCKENIFGE NRASTFCGTP DYIAPEILQG LKYSFSVDWW SFGVLLYEML  IGQSPFHGDD EDELFEISIRV DTPHYPRWIT KESKDIMEKL FERDPAKRLG  VTGNIRLHPF FKTINWNLLE KRKVEPPFKP KVKSPSDYSN FDPEFLNEKP  QLSFSDKNLI DSMDQTAFKG FSFVNPKEYEQ FLE</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Prkcd
<b>Protein Names</b>	Recommended name: Protein kinase C delta type EC= 2.7.11.13 Alternative name(s): nPKC-delta
<b>Expression Region</b>	1-673
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	<p>Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play distinct roles in cells. This protein is one of the PKC family members. Studies both in human and mice demonstrate that this kinase is involved in B cell signaling and in the regulation of growth, apoptosis,</p>



and differentiation of a variety of cell types. Alternatively spliced transcript variants encoding the same protein have been observed.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.