



Recombinant Rat Protein kinase C delta type (Prkcd)

Product Code	CSB-EP018702RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P09215
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	<p>MAPFLRISFN SYELGSLQAE DDASQPFCAV KMKEALTTDR GKTLVQKKPT MYPEWKSTFD AHIEGRVIQ IVLMRAAEDP MSEVTVGVSV LAERCKKNNG KAEFWLDLQP QAKVLMCVQY FLEDGDCKQS MRSEEEAMFP TMNRRGAIKQ AKIHAIKNHE 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>
Source	E.coli
Target Names	Prkcd
Protein Names	Recommended name: Protein kinase C delta type EC= 2.7.11.13 Alternative name(s): nPKC-delta
Expression Region	1-673
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	<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.

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.

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.