



# Recombinant Human Protein kinase C delta type (PRKCD)

<b>Product Code</b>	CSB-EP018702HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	Q05655
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MAPFLRIAFN SYELGSLQAE DEANQPFCAV KMKEALSTER GKTLVQKKPT  MYPEWKSTFD AHIEGRVIQ IVLMRAAEEP VSEVTVGVSV LAERCKKNG  KAEFWLDLQP QAKVLMVSVQY FLEDVDCKQS MRSEDEAKFP TMNRRGAIKQ  AKIHYIKNHE FIATFFGQPT FCSVCKDFVW GLNKQGYKCR QCNAAIHKKC  IDKIIGRCTG TAANSRDTIF QKERFNIDMP HRFKVHNYMS PTFCDHCGSL  LWGLVKQGLK CEDCGMNVHH KCREKVANLC GINQKLLAEA LNQVTQRASR  RSDSASSEPV GIYQGFEEKT GVAGEDMQDN SGTYGKIWEG SSKCNINNF  FHKVLGKGSF GKVLLGELKG RGEYFAIKAL KKDVLIDDD VECTMVEKRV  LTAAENPFL THLICTFQTK DHLFFVMEFL NGGDLMYHIQ DKGRFELYRA  TFYAAEIMCG LQFLHSGKII YRDLKLDNVL LDRDGHKIA DFGMCKENIF  GESRASTFCG TPDYIAPEIL QGLKYTFSVD WWSFGVLLYE MLIGQSPFHG  DDEDELFESEI RVDTPHYPRW ITKESKDILE KLFEREPTKR LGVTGNIKIH  PFFKTINWTL LEKRRLEPPF RPKVKSPRDY SNFDQEFLENE KARLSYSDKN  LIDSMDQSAF AGFSFVNPKF EHLLED</p>
<b>Source</b>	E.coli
<b>Target Names</b>	PRKCD
<b>Protein Names</b>	Recommended name: Protein kinase C delta type EC= 2.7.11.13 Alternative name(s): Tyrosine-protein kinase PRKCD EC= 2.7.10.2 nPKC-delta
<b>Expression Region</b>	1-676
<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.