



# Recombinant Human Protein kinase C delta type (PRKCD)

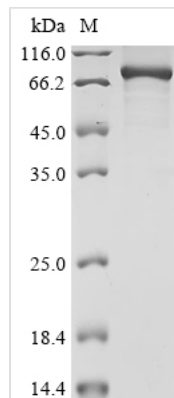
<b>Product Code</b>	CSB-EP018702HU
<b>Abbreviation</b>	Recombinant Human PRKCD protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q05655
<b>Form</b>	Liquid or Lyophilized powder
<b>Storage Buffer</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	MAPFLRIAFNSYELGSLQAEDEANQPFCVAKMKEALSTERGKTLVQKKPTMYP EWKSTFDAHIYEGRVLIQIVLMRAAEPPVSEVTGVSVLAERCKKNNGKAEFWL DLQPQAKVLMQSVQYFLEDVDCKQSMRSEDEAKFPTMNRGAIKQAKIHYIKNH EFIATFFGQPTFCSVCKDFVWGLNKQGYKCRQCNAAIHKKCIDKIIGRCTGTAA NSRDTIFQKERFNIDMPHRFKVHNYMSPTFCDHCGSLLWGLVKQGLKCEDCG MNVHHKCREKVANLCGINQKLLAEALNQVTQRASRRSDSASSEPVGIYQGFE KKTGVAGEDMQDNSGTGKIWEGSSKCNINNFIFHKVLGKGSFGKVLGELKG RGEYFAIKALKKDVVLIDDDVECTMVEKRVLTAAENPFLTHLICTFQTKDHLFF VMEFLNGGDLMYHIQDKGRFELYRATFYAAEIMCGLQLHSGIYRDLKLDNV LLDRDGHIKIADFGMCKENIFGESRASTFCGTPDYIAPEILQGLKYTFSDVWWS FGVLLYEMLIQSPFHGDDDELFESIRVDTPHYPRWITKESKDILEKLFEREPT KRLGVTGNIKIHPFFKTINWTLLEKRRLEPPFRPKVKSPRDYSNFDQEFLEKA RLSYSDKNLIDSMDQSAFAGFSFVNPKFEHLLED
<b>Research Area</b>	Cancer
<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>	1-676aa
<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>	N-terminal 6xHis-tagged



**Mol. Weight** 81.6 kDa

**Protein Length** Full Length

**Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

The synthesis of this Recombinant Human PRKCD protein depends on the utilization of recombinant DNA technology. DNA sequences that encoded the PRKCD protein could be inserted into a vector and introduced into an expression host, E.coli, where it could be easily expressed in and purified from. The expression of this PRKCD protein was at 1-676aa. N-terminal 6xHis tag was fused with this protein. The purity is 85%+ determined by SDS-PAGE.

PRKCD (also known as PKCD) is gene encoding a protein named protein kinase C delta type (PRKCD) in human. The protein encoded by this gene is also known as Tyrosine-protein kinase PRKCD and nPKC-delta. The encoded protein can be cleavaged by caspase 3 into two chains, including protein kinase C delta type regulatory subunit and protein kinase C delta type catalytic subunit. Protein kinase C delta type catalytic subunit is also called sphingosine-dependent protein kinase-1 (SDK1). The protein is an ubiquitously expressed kinase involved in a variety of cellular signaling pathways including cell growth, differentiation, apoptosis, tumor promotion, and carcinogenesis.

## 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

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