

Recombinant Human PRKCD protein, His-tagged

Cat. No. PRKCD-357H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human PRKCD(Met1-Asp676) fused with His tag at C-terminal was expressed in HEK293.

Species Human

Source HEK293

ProteinLength 1-676 a.a.

Description Protein Kinase C Delta Type (PRKCD) is a member of the AGC Ser/Thr protein kinase family of protein kinase superfamily. PKC family members phosphorylate a variety of protein targets and are known to be involved in diverse cellular signaling pathways. Each member of the PKC family has a specific expression profile and is believed to play distinct roles in cells. PRKCD serves as a major receptor for phorbol esters, a class of tumor promoters. PRKCD is involved in B cell signaling and in the regulation of growth, apoptosis, and differentiation of a variety of cell types.

AA Sequence

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MAPFLRIAFNSYELGSLQAEDEANQPFCVAKMKEALSTERGKTLVQKKPTMYPEWK
STFD AHYI EGRVIQIVLMRAAEEPVSEVTGVSVLAERCKKNGKAEFWLDLQPQA
KVLMSVQY FLEDVDCK QSMRSEDEAKFPTMNRRAIKQAKIHYIKNHEFIATFFGQ
PTFCSVCKDFVW GLNKQGYKCRQC NAAIHKKCIDKIIGRCTGTAANSRDTIFQKER
FNIDMPHRFKVHNYMS PTFCDHCGSLLWGLVK QGLKCEDCGMNVHHKCREKVAN
LCGINQKLLAEALNQVTQRASR RSDSASSEPVGIYQGFEEKT GVAGEDMQDNSGT
YGKIWEGSSKCNINNFIFHKVLGKGSF GKVLLGELKGRGEYFAIKALKKDV VLIDDD
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VECTMVEKRVLTAAENPFLTHLICTFQTK DHLFFVMEFLNGGDLMYHIQDKGRFEL
 Y RATFYAAEIMCGLQLHSGIYRDLKLDNVL LDRDGHIKIADFGMCKENIFGESRA
 STFCGTP DYIAPEILQGLKYTFSVDWWSFGVLLYE MLIGQSPFHGDDELFESIRV
 DTPHYPRWITKESK DILEKLFEREPTKRLGVTGNIKIH PFFKTINWTLLEKRRLEPPF
 RPKVKSPRDYSNFDQEFLNE KARLSYSDKNLIDSMQSAF AGFSFVNPKFEHLLD
 LDHHHHHH

Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Store at < -20 centigrade, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	PRKCD protein kinase C, delta [Homo sapiens]
Official Symbol	PRKCD
Synonyms	PRKCD; protein kinase C, delta; protein kinase C delta type; protein kinase C delta VIII; tyrosine-protein kinase PRKCD; MAY1; PKCD; nPKC-delta; MGC49908;
Gene ID	5580
mRNA Refseq	NM_006254
Protein Refseq	NP_006245
MIM	176977

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UniProt ID	Q05655
Chromosome Location	3p21.31
Pathway	Alpha-synuclein signaling, organism-specific biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; Ca-dependent events, organism-specific biosystem;
Function	ATP binding; calcium-independent protein kinase C activity; enzyme activator activity; enzyme binding; insulin receptor substrate binding; metal ion binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein C-terminus binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;

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