Recombinant Human PRKCD protein, MYC/DDK-tagged

Cat. No. PRKCD-356H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRKCD, transcript variant 2, fussed with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	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. The protein encoded by this gene 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, and differentiation of a variety of cell types. Alternatively spliced transcript variants encoding the same protein have been observed.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	77.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration	>50 ug/mL as determined by microplate BCA method

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_212539
Protein Refseq	NP_997704
MIM	176977
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;

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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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