Recombinant Human PRKCE Protein, DDK-tagged

Cat. No. PRKCE-657H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRKCE fused with DDK tag at C-terminal was expressed in Sf9 cells.
Species	Human
Source	Sf9 Cells
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 a distinct role in cells. The protein encoded by this gene is one of the PKC family members. This kinase has been shown to be involved in many different cellular functions, such as neuron channel activation, apoptosis, cardioprotection from ischemia, heat shock response, as well as insulin exocytosis. Knockout studies in mice suggest that this kinase is important for lipopolysaccharide (LPS)-mediated signaling in activated macrophages and may also play a role in controlling anxiety-like behavior.
Form	50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol.
Molecular Mass	83.5 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	PRKCE protein kinase C, epsilon [Homo sapiens]
Official Symbol	PRKCE
Synonyms	PRKCE; protein kinase C, epsilon; protein kinase C epsilon type; PKCE; nPKC-epsilon; MGC125656; MGC125657;
Gene ID	5581
mRNA Refseq	NM_005400
Protein Refseq	NP_005391
MIM	176975
UniProt ID	Q02156

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