Recombinant Human PRKCE Protein, His-tagged

Cat. No. PRKCE-2622H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRKCE Protein (Lys11-Val252) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Lys11-Val252
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.4 kDa

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	Accurate Molecular Mass: 33 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	PRKCE protein kinase C, epsilon [Homo sapiens (human)]
Official Symbol	PRKCE
Synonyms	PRKCE; protein kinase C, epsilon; protein kinase C epsilon type; PKCE; nPKC-epsilon; MGC125656; MGC125657;
Gene ID	5581

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mRNA Refseq	NM_005400
Protein Refseq	NP_005391
MIM	176975
UniProt ID	Q02156

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