

Recombinant Human Protein Kinase C, Epsilon, GST-tagged, Active

Cat. No. PRKCE-402H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full-length PKCepsilon was expressed by baculovirus in Sf9 cell using an N-terminal GST tag. MW=110 kDa.
Species	Human
Source	Sf9 Cells
Description	PKCε is a member of the protein kinase C (PKC) family of serine- and threonine-specific protein kinases that can phosphorylate a wide variety of protein targets known to be involved in diverse cellular signaling pathways. PKCε is involved in many different cellular functions, such as neuron channel activation, 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 control anxiety-like behavior.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

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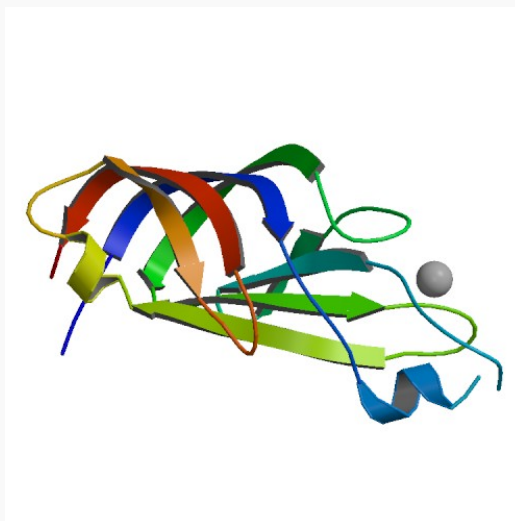
Gene Name	PRKCE protein kinase C, epsilon [Homo sapiens]
Synonyms	PRKCE; protein kinase C, epsilon; PKCE; MGC125656; MGC125657; nPKC-epsilon; Protein kinase C epsilon type; EC 2.7.11.13
Gene ID	5581
mRNA Refseq	NM_005400
Protein Refseq	NP_005391
UniProt ID	Q02156
Chromosome Location	2p21
MIM	176975
Pathway	Fc epsilon RI signaling pathway; Fc gamma R-mediated phagocytosis; Tight junction; Type II diabetes mellitus; Vascular smooth muscle contraction; Signalling by NGF
Function	ATP binding; calcium-independent protein kinase C activity; enzyme binding; metal ion binding; signal transducer activity; nucleotide binding; transferase activity; zinc ion binding

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