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Datasheet for ABIN7318957 PKC epsilon Protein (His tag)

Overview

Quantity:	50 µg
Target:	PKC epsilon (PRKCE)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PKC epsilon protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PKC epsilon/PKCE Protein (His Tag)
Sequence:	Gln580-Pro737
Characteristics:	Recombinant Human PKC epsilon is produced by our E.coli expression system and the target gene encoding Gln580-Pro737 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PKC epsilon (PRKCE)
Alternative Name:	PKC epsilon/PKCE (PRKCE Products)
Background:	Background: Protein Kinase C Epsilon type is a member of the serine- and threonine-specific protein kinase family that can be activated by calcium and the second messenger diacylglycerol. Protein Kinase C Epsilon contains these domains: one AGC-kinase C-terminal

Target Details

domain, one C2 domain, one protein kinase domain and two phorbol-ester/DAG-type zinc fingers. Protein Kinase C Epsilon phosphorylate a variety of protein targets and has been identified to participate in diverse cellular signaling pathways. It has many different cellular functions, such as neuron channel activation, apoptosis, cardioprotection from ischemia, heat shock response, as well as insulin exocytosis. Protein Kinase C Epsilon also serves as the receptor for phorbol esters, a class of tumor promoters.

Synonym: Protein Kinase C Epsilon Type, nPKC-Epsilon, PRKCE, PKCE

Molecular Weight: 19.6 kDa

UniProt: [Q02156](#)

Pathways: [TCR Signaling](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Positive Regulation of Peptide Hormone Secretion](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Actin Filament Polymerization](#), [Myometrial Relaxation and Contraction](#), [Regulation of Carbohydrate Metabolic Process](#), [Interaction of EGFR with phospholipase C-gamma](#), [Thromboxane A2 Receptor Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 1 mM DTT, pH 7.4.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.