



Recombinant Protein Technical Manual
Recombinant Human PKC epsilon/PKCE Protein (His
Tag)
RPES3223

Product Data:

Product SKU: RPES3223

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q02156

Protein Information:

Molecular Mass: 19.6 kDa

AP Molecular Mass: 20 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

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

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

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

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Protein Kinase C Epsilon Type; nPKC-Epsilon; PRKCE; PKCE

Immunogen Information:

Sequence: Gln580-Pro737

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 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.