

# Product datasheet for TP720143M

### PKC epsilon (PRKCE) (NM\_005400) Human Recombinant Protein

### **Product data:**

| Product Type:                            | Recombinant Proteins  |
|--|---|
| Description:                             | Recombinant protein of human protein kinase C, epsilon (PRKCE)                                  |
| Species:                                 | Human   |
| Expression Host:                         | E. coli   |
| Expression cDNA Clone<br>or AA Sequence: | Gln580-Pro737   |
| Tag:                                     | C-His   |
| Predicted MW:                            | 19.6 kDa  |
| Concentration:                           | lot specific  |
| Purity:                                  | >95% as determined by SDS-PAGE and Coomassie blue staining                                      |
| Buffer:                                  | Provided lyophilized from a 0.2 $\mu m$ filtered solution of 20 mM Tris-HCl, 150 mM NaCl        |
| Endotoxin:                               | < 0.1 EU per $\mu$ g protein as determined by LAL test  |
| Storage:                                 | Store at -80°C.   |
| Stability:                               | Stable for at least 3 months from date of receipt under proper storage and handling conditions. |
| RefSeq:                                  | <u>NP 005391</u>  |
| Locus ID:                                | 5581  |
| UniProt ID:                              | <u>Q02156</u> , <u>L7RTI5</u>   |
| Cytogenetics:                            | 2p21  |
| Synonyms:                                | nPKC-epsilon; PKCE  |



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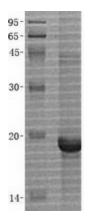
#### OriGene Technologies, Inc.

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|                   | PKC epsilon (PRKCE) (NM_005400) Human Recombinant Protein – TP720143M  |
|-------------------|--|
| Summary:          | 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. [provided by RefSeq, Jul 2008] |
| Protein Families: | Druggable Genome, Protein Kinase   |
| Protein Pathway   | s: Fc epsilon Rl signaling pathway, Fc gamma R-mediated phagocytosis, Tight junction, Type II  |

diabetes mellitus, Vascular smooth muscle contraction

## **Product images:**



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