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PKCepsilon, Active recombinant protein

PKC, protein kinase C, epsilon
Catalog # PBV11328r

Specification

PKCepsilon, Active recombinant protein - Product info

Primary Accession	Q02156
Concentration	**0.1**
Calculated MW	**110.0 kDa KDa**

PKCepsilon, Active recombinant protein - Additional Info

Gene ID	**5581**
Gene Symbol	**PRKCE**
Other Names	
PKC, protein kinase C, epsilon	
Source	**Baculovirus (Sf9 insect cells)**
Assay&Purity	**SDS-PAGE; ≥90%**
Assay2&Purity2	**HPLC;**
Recombinant	**Yes**
Format	
Liquid	

Storage
-80°C; Recombinant proteins in storage buffer (50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.25 mM DTT, 0.1 mM EGTA, 0.1 mM EDTA, 0.1 mM PMSF, 25% glycerol).

PKCepsilon, Active recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PKCepsilon, Active recombinant protein - Images

PKCepsilon, Active recombinant protein - Background

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. Protein kinase C epsilon (PRKCE), one of the PKC family members, has been shown to be

involved in many different cellular functions, such as neuron channel activation (1), apoptosis (2), cardioprotection from ischemia (3, 4), 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 (5).

PKCepsilon, Active recombinant protein - References

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Hillier L.W.,et al.Nature 434:724-731(2005).
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Omary M.B.,et al.J. Cell Biol. 117:583-593(1992).
Cenni V.,et al.Biochem. J. 363:537-545(2002).