Active PKC epsilon

CATALOG #: 7764-5

SOURCE: Sf 9 cells

PURITY: 1.5 µg of PKC epsilon protein was subjected to SDS-PAGE and Coomassie blue staining. The scan of the gel showed >90% purity of the PKC epsilon product, and the band was at ~110 kDa.

SPECIFIC ACTIVITY: 512 nmol/min/mg

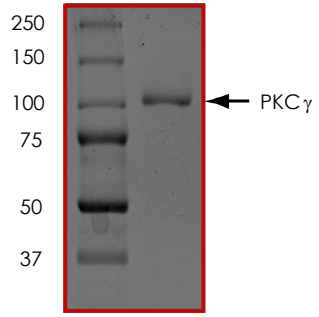
MOLECULAR WEIGHT: ~105 kDa.

FORMULATION: 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).

STORAGE CONDITIONS: Store product frozen at or below -70°C. Stable for 1 year at -70°C as undiluted stock. Aliquot to avoid repeated thawing and freezing.

BACKGROUND DESCRIPTION: PKCγ 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. In the brain, PKCγ is translocated to cell membranes during ischemia and is rapidly removed or degraded during the second otherwise lethal ischemic insult in preconditioned brains. This suggests that ischemic preconditioning enhances downregulation of cell signaling mediated by PKCγ and may thereby provide Neuroprotection.

ACTIVITY: The specific activity of PKCgamma was determined to be 512 nmol /min/mg as per activity assay protocol.



PKC gamma Protein

RELATED PRODUCTS:

- Active PKC iota **(Cat. No. 7705-5)**
- Active PKC delta **(Cat. No. 7739-5)**
- Active PKC eta **(Cat. No. 7731-5)**
- Active PKC mu **(Cat. No. 7745-5)**
- Active PKC a **(Cat. No. 7714-5)**
- Active PKC zeta **(Cat. No. 7718-5)**
- Active PKC epsilon **(Cat. No. 7753-5)**
- Active PKC βII **(Cat. No. 7704-5)**

FOR RESEARCH USE ONLY! Not to be used in humans.