



California Bioscience

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Product Datasheet

Product Name	Protein Kinase C gamma Human Recombinant
Cata No	CB500876
Source	<i>Sf9 insect cells.</i>
Synonyms	Protein kinase C gamma type, EC 2.7.11.13, PKC-gamma, PRKCG, PKCC, PKCG, SCA14, MGC57564.

Description

Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and 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 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 distinct roles in cells. The protein encoded by this gene is one of the PKC family members. This protein kinase is expressed solely in the brain and spinal cord and its localization is restricted to neurons. It has been demonstrated that several neuronal functions, including long term potentiation (LTP) and long term depression (LTD), specifically require this kinase. Knockout studies in

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