



Product Datasheet

Product Name	Protein Kinase C delta Human Recombinant
Cata No	CB500877
Source	<i>Sf9 insect cells.</i>
Synonyms	Protein kinase C delta type, EC 2.7.11.13, nPKC-delta, PRKCD, MAY1, MGC49908.

Description

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 distinct roles in cells. The protein encoded by this gene is one of the PKC family members. Studies both in human and mice demonstrate that this kinase is involved in B cell signaling and in the regulation of growth, apoptosis, and differentiation of a variety of cell types.

Alternatively spliced transcript variants encoding the same protein have been observed.

PKC-d Human Recombinant produced in Sf9 is a glycosylated, polypeptide chain containing amino acids 2-676 and having a molecular mass of 80 KD. This protein is the full-length form of the protein with an amino terminal poly His-tag.

PKC-d is purified by proprietary chromatographic techniques.

Purity

Greater than 90% as determined by SDS-PAGE.

Formulation

PKC-d is supplied at a of 0.1mg/ml in 10mM Tris, pH 7.4, 0.1M NaCl, 20% glycerol, 1mM DTT, 0.1mM EDTA, 0.2mM PMSF and 0.03% Brij-35.

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