Recombinant Human Protein Kinase C, Delta, GST-tagged, Active

Human, Recombinant (PRKCD, GST-tagged)
Expressed in Sf9 insect cells
Cat. No. PRKCD-401H
Lot. No. (See product label)

**PRODUCT INFORMATION**

*Product Overview:* Recombinant human full-length PKCdelta was expressed by baculovirus in Sf9 cells using an N-terminal GST tag. MW=104 kDa.

*Description:* Protein kinase C delta (PKCδ) is a member of the protein kinase C (PKC) family of serine-threonine kinases. It is a 79 kd protein kinase that shows strict dependence on the presence of phospholipids, but shows no activation by Ca²⁺. Phosphatidylinositol is the most potent activator of PKC delta. Northern blot analysis indicated that PKCdelta is widely distributed in almost all the tissues and is a major isoform of PKC expressed in hemopoietic cells. PKCdelta is involved in fundamental cellular functions regulated by diacylglycerols and mimicked by phorbol esters.

*Source:* Sf9 insect cells using baculovirus.

*Sequence:* Full-length.

*Applications:* Kinase Assay, Western Blot.

*Storage And Stability:* Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

*Purity:* Sample Purity Data. For specific information on a given lot, see related technical data sheet.

*Specific Activity:* Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

**GENE INFORMATION**

*Gene Name:* PRKCD protein kinase C, delta [Homo sapiens]

*Synonyms:* PRKCD; protein kinase C, delta; MAY1; PKCD; MGC49908; nPKC-delta; Protein kinase C delta type; EC 2.7.11.13; protein kinase C delta VIII

*GeneID:* 5580

*mRNA Refseq:* NM_006254

*Protein Refseq:* NP_006245

*UniProt ID:* Q05655

*Chromosome Location:* 3p21.31

*MIM:* 176977

*Pathway:* Chemokine signaling pathway; Fc epsilon RI signaling pathway; Fc gamma R-mediated phagocytosis; GnRH signaling pathway; Neurotrophin signaling pathway; Tight junction; Type II diabetes mellitus; Vascular smooth muscle contraction; Apoptosis; Signalling by NGF

*Function:* ATP binding; calcium-independent protein kinase C activity; enzyme activator activity; enzyme binding; insulin receptor substrate binding; metal ion binding; nucleotide binding; protein C-terminus binding; transferase activity; zinc ion binding

**REFERENCES**


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