

Recombinant Human Protein Kinase D3, GST-tagged, Active

Cat. No. PRKD3-407H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full-length PKC α was expressed by baculovirus in Sf9 cell using an N-terminal GST tag. MW=142 kDa.
Species	Human
Source	Sf9 Cells
Description	PKC α , also known as PKD3, is a members of the protein kinase C (PKC) family of serine/threonine kinases that play critical roles in the regulation of cellular differentiation and proliferation in many cell types. PKC α is composed of 890 amino acid residues and the protein has 77.3% similarity to human PKC μ (PKC μ) and 77.4% similarity to mouse PKD. The PKC α mRNA is ubiquitously expressed in various tissues and the gene is located between markers WI-9798 and D2S177 on chromosome 2p21 region.
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.

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	PRKD3 protein kinase D3 [Homo sapiens]
Synonyms	PRKD3; protein kinase D3; EPK2; PKD3; PRKCN; PKC-NU; nPKC-NU; OTTHUMP00000126953; protein kinase EPK2; protein kinase C, nu; protein-serine/threonine kinase; EC 2.7.11.13; Serine/threonine-protein kinase D3; nPKC-nu; Protein kinase EPK2; Protein kinase C nu type
Gene ID	23683
mRNA Refseq	NM_005813
Protein Refseq	NP_005804
UniProt ID	O94806
Chromosome Location	2p21
MIM	607077
Function	ATP binding; protein kinase C activity; nucleotide binding; transferase activity; zinc ion binding; magnesium ion binding; protein binding

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PDB rendering based
on 2d9z.



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