

## Recombinant Human Protein Kinase D1, GST-tagged, Active

Cat. No. PRKD1-406H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human full-length PKC $\mu$ was expressed by baculovirus in Sf9 cell using an N-terminal GST tag. MW=131 kDa.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Description</b>	Protein kinase C $\mu$ (PKC $\mu$ ) is a member of the protein kinase C (PKC) family that differs from the other PKC isoenzymes in structural and enzymatic properties. PKC $\mu$ is ubiquitous in nature with the highest expression in the thymus, lung and peripheral blood mononuclear cells. PKC $\mu$ forms a complex in vivo with a phosphatidylinositol 4-kinase and a phosphatidylinositol-4-phosphate 5-kinase. A region of PKC $\mu$ between the amino-terminal transmembrane domain and the pleckstrin homology domain is shown to be involved in the association with the lipid kinases.
<b>Sequence</b>	Full-length.
<b>Applications</b>	Kinase Assay, Western Blot.
<b>Storage And Stability</b>	Store product at $-70^{\circ}\text{C}$ . 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](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Gene Name</b>	PRKD1 protein kinase D1 [ Homo sapiens ]
<b>Synonyms</b>	PRKD1; protein kinase D1; PKD; PKCM; PRKCM; PKC-MU; protein kinase C, mu; PKC-mu; Serine/threonine-protein kinase D1; EC 2.7.11.13; nPKC-D1; Protein kinase D; nPKC-mu; Protein kinase C mu type
<b>Gene ID</b>	5587
<b>mRNA Refseq</b>	NM_002742
<b>Protein Refseq</b>	NP_002733
<b>UniProt ID</b>	Q15139
<b>Chromosome Location</b>	14q11
<b>MIM</b>	605435
<b>Pathway</b>	Metabolism of lipids and lipoproteins
<b>Function</b>	ATP binding; protein kinase C activity; nucleotide binding; transferase activity; zinc ion binding; magnesium ion binding; protein binding

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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