Recombinant Human Protein Kinase D1, GST-tagged, Active

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

SPECIFICATION

Product Overview	Recombinant human full-length PKCmu was expressed by baculovirus in*Sf9 cell*susing an N-terminal GST tag. MW=131 kDa.
Species	Human
Source	Sf9 Cells
Description	Protein kinase Cmu (PKCμ) is a member of the protein kinase C (PKC) family that diff ers from the other PKC isoenzymes in structural and enzymatic properties. PKCμ is a ubiquitous in nature with the highest expression in the thymus, lung and peripheral bl ood mononuclear cells. PKCμ forms a complex in vivo with a phosphatidylinositol 4-ki nase and a phosphatidylinositol-4-phosphate 5-kinase. A region of PKCμ between the amino-terminal transmembrane domain and the pleckstrin homology domain is shown to be involved in the association with the lipid kinases.
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

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Gene Name	PRKD1 protein kinase D1 [Homo sapiens]
Synonyms	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
Gene ID	5587
mRNA Refseq	NM_002742
Protein Refseq	NP_002733
UniProt ID	Q15139
Chromosome Location	14q11
MIM	605435
Pathway	Metabolism of lipids and lipoproteins
Function	ATP binding; protein kinase C activity; nucleotide binding; transferase activity; zinc ion binding; magnesium ion binding; protein binding

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