

Recombinant Human PRKD1

Cat. No. PRKD1-29764TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length PKC mu protein (Human), was expressed by baculovirus in Sf9 insect cells using an N-terminal tag, MW 131 kDa.
Species	Human
Description	PRKD1 is a serine/threonine kinase that regulates a variety of cellular functions, including membrane receptor signaling, transport at the Golgi, protection from oxidative stress at the mitochondria, gene transcription, and regulation of cell shape, motility, and adhesion (summary by Eiseler et al.
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. PKD subfamily. Contains 1 PH domain. Contains 2 phorbol-ester/DAG-type zinc fingers. Contains 1 protein kinase domain.
Full Length	Full L.

GENE INFORMATION

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Gene Name	PRKD1 protein kinase D1 [Homo sapiens]
Official Symbol	PRKD1
Synonyms	PRKD1; protein kinase D1; PRKCM, protein kinase C, mu; serine/threonine-protein kinase D1; PKC mu; PKCM; PKD;
Gene ID	5587
mRNA Refseq	NM_002742
Protein Refseq	NP_002733
MIM	605435
Uniprot ID	Q15139
Chromosome Location	14q11
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; G Protein Signaling Pathways, organism-specific biosystem; IGF1 pathway, organism-specific biosystem;
Function	ATP binding; metal ion binding; nucleotide binding; protein binding; protein kinase C activity;