Recombinant Human PRKD2

Cat. No. PRKD2-30220TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Protein Kinase D2 protein (Human), was expressed by baculovirus in Sf9 insect cells using a N-terminal tag, MW 130 kDa.
Species	Human
Description	The protein encoded by this gene belongs to the protein kinase D (PKD) family of serine/threonine protein kinases. This kinase can be activated by phorbol esters as well as by gastrin via the cholecystokinin B receptor (CCKBR) in gastric cancer cells. It can bind to diacylglycerol (DAG) in the trans-Golgi network (TGN) and may regulate basolateral membrane protein exit from TGN. Alternative splicing results in multiple transcript variants encoding different isoforms.
Tissue specificity	Widely expressed.
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 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.

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

Full Length	Full L.

GENE INFORMATION

Gene Name	PRKD2 protein kinase D2 [Homo sapiens]
Official Symbol	PRKD2
Synonyms	PRKD2; protein kinase D2; serine/threonine-protein kinase D2; DKFZP586E0820; HSPC187; PKD2;
Gene ID	25865
mRNA Refseq	NM_001079880
Protein Refseq	NP_001073349
MIM	607074
Uniprot ID	Q9BZL6
Chromosome Location	19q13.2
Pathway	T Cell Receptor Signaling Pathway, organism-specific biosystem;
Function	ATP binding; metal ion binding; nucleotide binding; protein kinase C activity; protein kinase activity;

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