

Active Recombinant Full Length Human PRKD2 Protein, GST tagged

Cat. No. PKD2-410H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human PKD2 (PRKD2) was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.
Species	Human
Source	Insect Cells
ProteinLength	1-878 aa
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.
Form	In 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	Specific Activity 224 nmol/min/mg
Purity	>80%
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller

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quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Concentration 0.1 µg/µL

GENE INFORMATION

Gene Name PRKD2 protein kinase D2 [Homo sapiens (human)]

Official Symbol PRKD2

Synonyms PRKD2; protein kinase D2; serine/threonine-protein kinase D2; DKFZP586E0820; HSPC187; PKD2; nPKC-D2

Gene ID 25865

mRNA Refseq NM_016457

Protein Refseq NP_057541

MIM 607074

UniProt ID Q9BZL6

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