PKD2 (PRKD2)(G870E) Recombinant Protein | PKD2 recombinant protein

PKD2 (PRKD2)(G870E), Active

CATALOG #	HOST	APPLICATIONS
AAA73878	**Sf9 insect cells**	**Kinase Assay**

PRODUCT SYNONYMS

PKD2 (PRKD2)(G870E); Active; HSPC187; nPKC-D2; PRKD2; PKD2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for PKD2 recombinant protein	Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES

SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

Activity
Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PKD2 recombinant protein	Recombinant full-length human PKD2 (G870E) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The PKD2 gene accession number is NM_016457. PKD2(G870E) is a glycine to glutamic acid mutation at 870 aa in PKD2 and appears as a somatic mutation in gastric adenocarcinoma samples. PKD2 is a novel phorbol ester-and growth factor-stimulated serine/threonine kinase that contains two cysteine-rich motifs at the N terminus, a pleckstrin homology domain, and a catalytic domain (1). It exhibits the strongest homology to the serine/threonine protein kinases PKD/PKCmu and PKCnu. The PKD family of enzymes have been implicated in very diverse cellular functions, including Golgi organization and plasma membrane directed transport, metastasis, immune responses, apoptosis and cell proliferation (2).
Product Categories/Family for PKD2 recombinant protein	Mutant Kinases; Apoptosis/Autophagy; Cardiovascular Disease; ERK/MAPK Pathway; Neurobiology; NfkB Pathway; PKA/PKC Pathway; Ser/Thr Kinases
References	1. Sturany, S. et al: Molecular cloning and characterization of the human protein kinase D2. A novel member of the protein kinase D family of serine threonine kinases. J Biol Chem. 2001 Feb 2;276(5):3310-8. 2. Rykx, A. et al: Protein kinase D: a family affair. FEBS Lett. 2003 Jul 3;546(1):81-6.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_016457
Molecular Weight	~130kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/pkd2-prkd2-g870e-recombinant-protein-sf9-insect-cells-kinase-assay/73878