

Recombinant Human PKD2, GST-tagged, Active

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

SPECIFICATION

Product Overview	Recombinant full-length human PKD2 was expressed by <i>baculovirus</i> in <i>Sf9</i> insect cell/s using an N-terminal GST tag. MW=130kDa.
Species	Human
Source	Sf9 Cells
Description	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. It exhibits the strongest homology to the serine/threonine protein kinases PKD/PKC μ and PKC ν . 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.
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	PKD2 polycystic kidney disease 2 (autosomal dominant) [Homo sapiens]
Synonyms	PKD2; polycystic kidney disease 2 (autosomal dominant); PC2; PKD4; Pc-2; APKD2; TRPP2; MGC138466; MGC138468; polycystwin; polycystwin; transient receptor potential cation channel, subfamily P, member 2
Gene ID	5311
mRNA Refseq	NM_000297
Protein Refseq	NP_000288
MIM	173910
UniProt ID	Q13563
Chromosome Location	4q21-q23
Function	ATP binding; calcium ion binding; channel activity; cytoskeletal protein binding; ion channel activity; potassium channel activity; protein C-terminus binding; voltage-gated chloride channel activity; voltage-gated sodium channel activity

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