

Recombinant Human Protein Kinase N2, GST-tagged, Active

Cat. No. PKN2-411H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human PKN2 was expressed by <i>baculovirus Sf9 insect cell</i> using an N-terminal GST tag. MW=145kDa.
Species	Human
Source	Sf9 Cells
Description	<p>PKN2 (also known as PRK2) is a Rho effector and a member of the protein kinase C superfamily of serine/threonine kinases. PKN2 is an essential regulator of both entry into mitosis and exit from cytokinesis in HeLa S3 cells. PKN2 is required for abscission of the midbody at the end of the cell division cycle and for phosphorylation and activation of Cdc25B, the phosphatase required for activation of mitotic cyclin/Cdk1 complexes at the G2/M transition. C-terminus of PKN2 could be a potential drug target for effector-specific pharmacological intervention of Rho-mediated biological processes.</p>
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	PKN2 protein kinase N2 [Homo sapiens]
Synonyms	PKN2; protein kinase N2; PAK2; PRK2; Pak-2; PRKCL2; PRO2042; MGC71074; MGC150606; protein kinase C-like 2; cardiolipin-activated protein kinase Pak2; EC 2.7.11.13
Gene ID	5586
mRNA Refseq	NM_006256
Protein Refseq	NP_006247
MIM	602549
UniProt ID	Q16513
Chromosome Location	1p22.2
Function	ATP binding; nucleotide binding; protein kinase C activity; transferase activity

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