

Recombinant Human Protein Kinase N1, GST-tagged

Cat. No. PKN1-1289H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanfull length PKN1, GST-tagged.
Species	Human
Source	Insect Cells
Description	PKN1 belongs to theprotein kinase C superfamily. This kinase is activated by the Rho family ofsmall G proteins and may mediate the Rho-dependent signaling pathway. This kinasecan also be activated by phospholipids. No special measures were taken toactivate this kinase.
Form	Liquid in 50 mMTris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.02% Triton X-100 + 2 mM DTT +50% glycerol
Molecular Weight	132.1 kDa
Storage	Stable for 6 monthsin working aliquots at -80°C. Avoid repeated freeze-thaw cycles.
OfficialSymbol	PKN1
Full Length	Full L.

GENE INFORMATION

Gene Name	PKN1 protein kinase N1 [Homosapiens]
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Synonyms	PKN1; protein kinaseN1; DBK; PKN; PAK1; PRK1; PAK-1; PRKCL1; MGC46204; PKN-ALPHA;serine/threonine-protein kinase N1; OTTHUMP00000037582; OTTHUMP00000037583;protein kinase C-like 1; protein kinase PKN-alpha; protein kinase C-like PKN;serine-threonine kinase N; protease-activated kinase 1; protein kinaseC-related kinase 1; protein-kinase C-related kinase 1; serine-threonineprotein kinase N; serine/threonine protein kinase N; EC 2.7.11.13
Gene ID	5585
mRNA Refseq	NM_213560
Protein Refseq	NP_998725
MIM	601032
UniProt ID	Q16512
Chromosome Location	19p13.12
Pathway	G13 SignalingPathway; Regulation of Androgen receptor activity; RhoA signaling pathway;Salmonella infection; Signaling mediated by p38-gamma and p38-delta;TNF-alpha/NF-kB Signaling Pathway
Function	ATP binding; GTP-Rhobinding; Rac GTPase binding; androgen receptor binding; chromatin binding;histone binding; histone deacetylase binding; histone kinase activity (H3-T11specific); ligand-dependent nuclear receptor transcription coactivatoractivity; nucleotide binding; protein binding; protein kinase C activity;protein kinase C binding; protein kinase activity; protein serine/threoninekinase activity

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