

Recombinant Human Protein Kinase N3, GST-tagged

Cat. No. PKN3-1084H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human PKN3/PRK3 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	PKN3 or PRK3 is a serine/threonine protein kinase which can associate with RHOA in a GTP-dependent manner. PKN3 can also interact with GRAF and GRAF2 via the SH3 domains and phosphorylate these proteins. PKN3 is a mediator of malignant growth of human prostate cancer cells and functions downstream of activated PI3K. PKN3 is upregulated in human tumor cells but not in surrounding nontumorigenic tissues. Inducible knockdown of PKN3 expression inhibited metastasis in a mouse prostate tumor model.
Applications	Kinase Assay; Western Blot
Molecular Weight	130 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50mM Tris-HCL, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 0 25% glycerol.
Specific Activity	3 nmol/min/mg

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Purity	> 75 %
Concentration	0.1 ug/ul
Sequences	Full length
Storage	Store product at –70oC. 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.
Pathways	Salmonella infection
GENE INFORMATION	
Gene Name	PKN3 protein kinase N3 [Homo sapiens]
Official Symbol	PKN3
Synonyms	PKN3; protein kinase N3; RP11-545E17.1; serine/threonine-protein kinase N3; OTTHUMP00000022293; protein kinase PKN-beta; protein-kinase C-related kinase 3
Gene ID	29941
mRNA Refseq	NM_013355
Protein Refseq	NP_037487
MIM	610714
UniProt ID	Q6P5Z2

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Chromosome Location	9q34.13
Function	ATP binding; nucleotide binding; protein binding; protein kinase C activity; protein kinase activity