

Recombinant Human PBK

Cat. No. PBK-29677TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human PBK with N-terminal proprietary tag expressed in a Baculovirus infected Sf9 cell expression system; amino acids 1-322, 68kDa.
Species	Human
ProteinLength	1-322 a.a.
Description	This genes encodes a serine/threonine kinase related to the dual specific mitogen-activated protein kinase kinase (MAPKK) family. Evidence suggests that mitotic phosphorylation is required for its catalytic activity. This mitotic kinase may be involved in the activation of lymphoid cells and support testicular functions, with a suggested role in the process of spermatogenesis.
Tissue specificity	Expressed in the testis and placenta. In the testis, restrictedly expressed in outer cell layer of seminiferous tubules.
Biological activity	The Specific activity of PBK-29677TH was determined to be 6.2 nmol/min/mg.
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequence Similarities	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. MAP kinase kinase subfamily. Contains 1 protein kinase domain.
Full Length	Full L.
GENE INFORMATION	
Gene Name	PBK PDZ binding kinase [Homo sapiens]
Official Symbol	PBK
Synonyms	PBK; PDZ binding kinase; lymphokine-activated killer T-cell-originated protein kinase; cancer/testis antigen 84; CT84; FLJ14385; Nori 3; SPK; T LAK cell originated protein kinase; TOPK;
Gene ID	55872
mRNA Refseq	NM_018492
Protein Refseq	NP_060962
MIM	611210
Uniprot ID	Q96KB5
Chromosome Location	8p21.2
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity;