

Recombinant Human PDZ Binding Kinase, His-tagged

Cat. No. PBK-1931H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PBK protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Description	PBK is a serine/threonine kinase related to the dual specific mitogen-activated protein kinase (MAPKK) family. PBK is abundant in placenta and absent from adult brain tissue. A PDZ domain in the tumor suppressor protein Dlg can coordinate with the T/SXV motif of PBK. This protein may be involved in the activation of lymphoid cells and support testicular functions, with a suggested role in the process of spermatogenesis.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl.
Molecular Weight	38.6 kDa(346aa) confirmed by MALDI-TOF
Purity	> 95% by SDS-PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHSSGLVPRGSH MGSHEGISN FKTPSKLSEK KKS VLCSTPT INIPA SPFMQ KLGFGTGVNVYLMKRSPRGL SHSPWAVKKI NPICNDHYRS VYQKRLMDE A KILKSLHHPNIVGYRAFTEA NDGSLCLAME YGGEKSLNDL IEERYKASQD PFPA AIIKV ALNMARG LKY LHQEKLLHGD IKSSNVVIK GDFETIKICD VGVSLPLDEN M

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TVTDPEACY IGTEPWKPKE AVEENGVITD KADIFAFGLTLWEMMTLSIPHINLSNDD
DDEDKTFDESDF DDEAYYAALG TRPPINMEEL DESYQKVIEL FSVCTNEDPK DRP
SAAHIVE ALETDV

Storage

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoidrepeated freezing and thawing cycles.

GENE INFORMATION

Gene Name PBK PDZ binding kinase [Homosapiens]

Official Symbol PBK

Synonyms

PBK; PDZ binding kinase; SPK;CT84; TOPK; Nori-3; FLJ14385; PDZ-binding kinase; cancer/testis antigen 84;MAPKK-like protein kinase; serine/threonine protein kinase; T-LAKcell-originated protein kinase; spermatogenesis-related protein kinase; EC2.7.12.2; Lymphokine-activated killer T-cell-originated protein kinase

Gene ID 55872

mRNA Refseq NM_018492

Protein Refseq NP_060962

MIM 611210

UniProt ID Q96KB5

Chromosome Location 8p21.2

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Function

ATP binding;nucleotide binding; protein binding; protein serine/threonine kinase activity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA