

**PBK, 1-322aa, Human, His tag, E.coli**

**Cat.NO.: TP03299**

3th Edition

**Synonyms:**Lymphokine-activated killer T-cell-originated protein kinase, CT84, Nori-3, SPK, TOPK.

**Description:**Lymphokine-activated killer T-cell-originated protein kinase, also known as 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.

**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

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMEGISNFKTPSKLSEKKKSVLCSTPTINIPASPFMQKLGFGTG VNVVYLMKR  
SPRGLSHSPWAVKKINPICNDHYRSVYQKRLMDEAKILKSLHHPNIVGYRAFTEANDGSLCLAMEYGG EKSLNDLIE  
ERYKASQDPFPAAILKVALNMARGLYLHQEKLLHGDIKSSNVVIKGFETIKICDVGVS LPLDENMTVTDPEACYI  
GTEPWKPKEAVEENG VITDKADIFAFGLTLWEMMTLSIPHINLSNDDDDDEDKTFDESDFDDEAYYAALGTRPPINME  
ELDESYQKVIELFSVCTNEDPKDRPSAAHIVEALETDV

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.