

Recombinant Human PBK Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PBK-1788H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

PBK MS Standard C13 and N15-labeled recombinant protein (NP_060962) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes a serine/threonine protein kinase related to the dual specific mitogen-activated protein kinase kinase (MAPKK) family. Evidence suggests that mitotic phosphorylation is required for its catalytic activity. The encoded protein may be involved in the activation of lymphoid cells and support testicular functions, with a suggested role in the process of spermatogenesis. Overexpression of this gene has been implicated in tumorigenesis. Alternative splicing results in multiple transcript variants.

Molecular Mass

36.1 kDa

AA Sequence

MEGISNFKTPSKLSEKKKSVLCSTPTINIPASPFMQKLGFGTG VNVYLMKRSPRGLS
HSPWAVKKINPICNDHYRSVYQKRLMDEAKILKSLHHPNIVGYRAFTEANDGSLCLA
MEYGG EKSLNDLIEERYKASQDPFPAAILKVALNMARGLKYLHQEKLLHGDIKSSN
VVIKGFETIKICDVGVS LPLDENMTVTDPEACYIGTEPWKPKEAVEENGVITDKADIF
AFGLTLWEMMTLSIPHINLSNDDDDDEDKTFDESDFDDEAYYAALGTRPPINMEELDE
SYQKVIELFSVCTNEDPKDRPSAAHIVEALETDVTRTRPLEQKLISEEDLAANDILDYK

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	DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	PBK PDZ binding kinase [Homo sapiens (human)]
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; PDZ-binding kinase; MAPKK-like protein kinase; serine/threonine protein kinase; T-LAK cell-originated protein kinase; spermatogenesis-related protein kinase; Nori-3;
Gene ID	55872
mRNA Refseq	NM_018492
Protein Refseq	NP_060962

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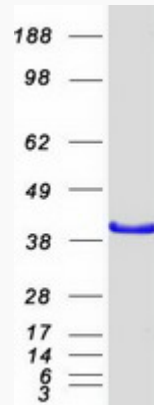
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MIM 611210

UniProt ID Q96KB5

SDS-PAGE



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