

Product datasheet for **TP303295**

PBK (NM_018492) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human PDZ binding kinase (PBK), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203295 protein sequence Red =Cloning site Green =Tags(s)

MEGISNFKTPSKLSEKKSIVLCSTPTINIPASPFMQKLGFGTGVNVYLMKRSPRGLSHSPWAVKKNIPIC
NDHYRSVYQKRLMDEAKILKSLHHPNIVGYRAFTEANDGSLCLAMEYGGKSLNDLIEERYKASQDPFPA
AIIKVALNMARGLKYHLHQEKLLHGDIKSSNVVIKGFETIKICDVGVSPLDENMTVTDPEACYIGTE
PWKPKEAVEENGVITDKADIFAFGLTLWEMMTLSIPHINLSNDDDDDEDKTFDESDFDDEAYYAALGTRPP
INMEELDESQKVIELFSVCTNEDPKDRPSAAHIVEALETDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	35.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_060962
Locus ID:	55872



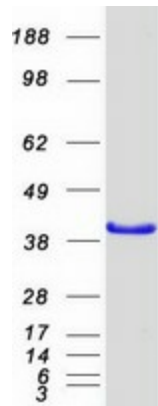
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UniProt ID: [Q96KB5](#), [V9HWH0](#)
RefSeq Size: 2127
Cytogenetics: 8p21.1
RefSeq ORF: 966
Synonyms: CT84; HEL164; Nori-3; SPK; TOPK

Summary: 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. [provided by RefSeq, Jul 2013]

Protein Families: Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified PBK protein (Cat# TP303295). The protein was produced from HEK293T cells transfected with PBK cDNA clone (Cat# [RC203295]) using MegaTran 2.0 (Cat# [TT210002]).