

Product datasheet for PH303295

PBK (NM_018492) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PBK MS Standard C13 and N15-labeled recombinant protein (NP_060962)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203295
Predicted MW:	36.1 kDa
Protein Sequence:	>RC203295 protein sequence Red =Cloning site Green =Tags(s) MEGISNFKTPSKLSEKKKSVLCSTPTINIPASPFMQKLGFGTGVNVYLMKRSPRGLSHSPWAVKKINPIC NDHYRSVYQKRLMDEAKILKSLHHPNIVGYRAFTEANDGSLCLAMEYGGESLNDLIEERYKASQDPFPA AAILKVALNMARGLYLHQEKLLHGDIKSSNVVYIKGDFETIKICDVGVSLPLDENMTVTDP EACYIGTE PWKPKEAVEENGVIITDKADIFAFGLTLWEMMTLSIPHINLSNDDDDDEDKTFDESDFDEAYYAALGTRPP INMEELDESYQKVIELFSVCTNEDPKDRPSAAHIVEALETDV TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_060962
RefSeq Size:	2127
RefSeq ORF:	966
Synonyms:	CT84; HEL164; Nori-3; SPK; TOPK
Locus ID:	55872



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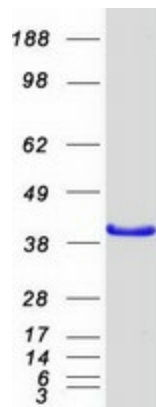
UniProt ID: [Q96KB5](#), [V9HWH0](#)

Cytogenetics: 8p21.1

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]).