

## Product datasheet for **AR50262PU-S**

### PBK / TOPK (1-322, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	PBK / TOPK (1-322, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHEGISEN FKTPSKLSEK KKSVCSTPT INIPASPFMQ KLGFGTGVNV YLMKRSPRGL SHSPWAVKKI NPICNDHYRS VYQKRLMDEA KILKSLHHPN IVGYRAFTEA NDGSLCLAME YGGEKSLNDL IEERYKASQD PFPAAILKV ALNMARGLKY LHQEKLLHG DIKSSNVVWIK GDFETIKICD VGVSLPLDEN MTVTDPPEACY IGTEPWKPKE AVEENGVID KADIFAFGLT LWEMMTLSIP HINLSNDDDD EDKTFDESDF DDEAYYAALG TRPPINMEEL DESYQKVIEL FSVCTNEDPK DRPSAAHIVE ALETDV
Tag:	His-tag
Predicted MW:	38.6 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PBK protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001265874</a>
Locus ID:	55872
UniProt ID:	<a href="#">Q96KB5</a> , <a href="#">Q96KB5-2</a>
Cytogenetics:	8p21.1
Synonyms:	CT84; HEL164; Nori-3; SPK; TOPK



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**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