

Recombinant Human PBK/SPK protein ab123196

1 References 1 Image

Description

Product name	Recombinant Human PBK/SPK protein
Purity	> 95 % SDS-PAGE. ab123196 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<b><u>Q96KB5</u></b>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHEGISEN FKTPSKLSEK KKSIVLCSTPT INIPASPFMQ KLGFGTGVNV YLMKRSPRGL SHSPWAVKKI NPICNDHYRS VYQKRLMDEA KILKSLHHPN I/GYRAFTEA NDGSLCLAME YGGEKSLNDL IEERYKASQD PFPAAILKV ALNMARGLKY LHQEKLLHG DIKSSNVVIK GDFETIKICD VGVSLPLDEN MTVTDPEACY IGTEPWKPKE AVEENGVID KADIFAFGLT LWEMMTLSIP HINLSNDDDD EDKTFDESDF DDEAYYAALG TRPPINMEEL DESYQKVIEL FSVCTNEDPK DRPSAAHIVE ALETDV
Predicted molecular weight	39 kDa including tags
Amino acids	1 to 322
Tags	His tag N-Terminus

Specifications

Our <b>Abpromise guarantee</b> covers the use of <b>ab123196</b> in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

## Additional notes

This product was previously labelled as PBK

## Preparation and Storage

### Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 8

Constituents: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

## General Info

### Function

Phosphorylates MAP kinase p38. Seems to be active only in mitosis. May also play a role in the activation of lymphoid cells. When phosphorylated, forms a complex with TP53, leading to TP53 destabilization and attenuation of G2/M checkpoint during doxorubicin-induced DNA damage.

### Tissue specificity

Expressed in the testis and placenta. In the testis, restrictedly expressed in outer cell layer of seminiferous tubules.

### Sequence similarities

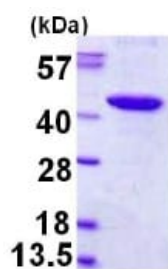
Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. MAP kinase kinase subfamily.

Contains 1 protein kinase domain.

### Post-translational modifications

Phosphorylated; in a cell-cycle dependent manner at mitosis.

## Images



SDS-PAGE - Recombinant Human PBK/SPK protein (ab123196)

15% SDS-PAGE showing ab123196 (3µg).

(Molecular size on SDS-PAGE will appear higher).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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