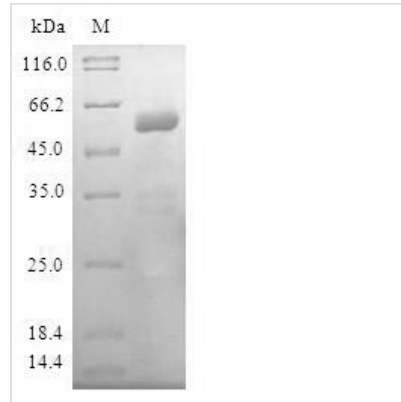




# Recombinant Human Lymphokine-activated killer T-cell-originated protein kinase (PBK)

<b>Product Code</b>	CSB-EP822241HU
<b>Relevance</b>	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.
<b>Abbreviation</b>	Recombinant Human PBK protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q96KB5
<b>Alias</b>	Cancer/testis antigen 84
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MEGISNFKTPSKLSEKKS SVLCSTPTINIPASPFMQKLGFGTGVNVYLMKRSPR GLSHSPWAVKKINPICNDHYRSVYQKRLMDEAKILKSLHHPNIVGYRAFTEAND GSLCLAMEYGG EKSLNDLIEERYKASQDPFPAAILKVALNMARGLKYLHQEKK LLHGDIKSSNVVIKGFETIKICDVGVSLPLDENMTVTDPEACYIGTEPWKPKEA VEENGVITDKADIFAFGLTLWEMMTLSIPHINLSNDDDDDEDKTFDESDFDDEAY YAALGTRPPINMEELDES YQKVIELFSVCTNEDPKDRPSAAHIVEALETDV
<b>Research Area</b>	Cell Biology
<b>Source</b>	E.coli
<b>Target Names</b>	PBK
<b>Protein Names</b>	Recommended name: Lymphokine-activated killer T-cell-originated protein kinase EC= 2.7.12.2 Alternative name(s): Cancer/testis antigen 84 Short name= CT84 MAPKK-like protein kinase Nori-3 PDZ-binding kinase Spermatoge
<b>Expression Region</b>	1-322aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal GST-tagged
<b>Mol. Weight</b>	63.1kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.