

# Recombinant Human PDZ Binding Kinase, His-tagged

**Cat. No.** PBK-377H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant humanPBK was expressed in Insect cells with a His tag. Its molecular weight is41000 Dalton.                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | PBK is aserine/threonine kinase that is related to the dual specificmitogen-activated protein kinase kinase (MAPKK). The kinase is up-regulatedin a variety of hematological malignancies, participates in activatinglymphoid cells, and supports testicular function (spermatogenesis). Nospecial measures were taken to activate this kinase. |
| <b>Form</b>             | Liquid in 50 mMTris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.02% Triton X-100 + 2 mM DTT +50% glycerol.                                                                                                                                                                                                                                          |
| <b>Molecular Weight</b> | 41.0 kDa                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Stable for 6 monthsin working aliquots at -80°C. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                             |
| <b>OfficialSymbol</b>   | PBK                                                                                                                                                                                                                                                                                                                                             |

## GENE INFORMATION

|                  |                                         |
|------------------|-----------------------------------------|
| <b>Gene Name</b> | PBK PDZ binding kinase [ Homo sapiens ] |
|------------------|-----------------------------------------|

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| <b>Synonyms</b>            | PBK; PDZ bindingkinase; SPK; CT84; TOPK; Nori-3; FLJ14385; PDZ-binding kinase; cancer/testisantigen 84; Cancer/testis antigen 84; MAPKK-like protein kinase;serine/threonine protein kinase; T-LAK cell-originated protein kinase;Spermatogenesis-related protein kinase; EC 2.7.12.2; Lymphokine-activatedkiller T-cell-originated protein kinase |
| <b>Gene ID</b>             | <a href="#">55872</a>                                                                                                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>         | <a href="#">NM_018492</a>                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | <a href="#">NP_060962</a>                                                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>                 | <a href="#">611210</a>                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>          | Q96KB5                                                                                                                                                                                                                                                                                                                                             |
| <b>Chromosome Location</b> | 8p21.2                                                                                                                                                                                                                                                                                                                                             |
| <b>Function</b>            | ATP binding;nucleotide binding; protein binding; protein serine/threonine kinase activity                                                                                                                                                                                                                                                          |