

## Recombinant Human PBK Protein (M1-V322), GST tagged

**Cat. No.** PBK-0819H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GST-TEV-PBK(M1-V322 end) Protein was expressed in Insect cell.                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | M1-V322                                                                                                                                                                                                                                                                                |
| <b>Description</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>Form</b>             | Liquid                                                                                                                                                                                                                                                                                 |
| <b>Endotoxin</b>        | < 0.01 EU per µg of the protein                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | 90%                                                                                                                                                                                                                                                                                    |
| <b>Stability</b>        | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.                                                                                                                                                                                              |
| <b>Storage</b>          | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                                    |

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|                       |                                                                       |
|-----------------------|-----------------------------------------------------------------------|
| <b>Storage Buffer</b> | Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol |
|-----------------------|-----------------------------------------------------------------------|

|                 |                                  |
|-----------------|----------------------------------|
| <b>Shipping</b> | It is shipped out with blue ice. |
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## GENE INFORMATION

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

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|------------------------|-----|
| <b>Official Symbol</b> | PBK |
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| <b>Synonyms</b> | PBK; PDZ binding kinase; lymphokine-activated killer T-cell-originated protein kinase; cancer/testis antigen 84; CT84; FLJ14385; Nori 3; SPK; T LAK cell originated protein kinase; TOPK; PDZ-binding kinase; MAPKK-like protein kinase; serine/threonine protein kinase; T-LAK cell-originated protein kinase; spermatogenesis-related protein kinase; Nori-3; |
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| <b>Gene ID</b> | 55872 |
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|--------------------|-----------|
| <b>mRNA Refseq</b> | NM_018492 |
|--------------------|-----------|

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|-----------------------|-----------|
| <b>Protein Refseq</b> | NP_060962 |
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| <b>MIM</b> | 611210 |
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| <b>UniProt ID</b> | Q96KB5 |
|-------------------|--------|

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