

## Active Recombinant Human PLK3, GST-tagged

**Cat. No.** PLK3-1069H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                        |
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| <b>Product Overview</b> | Recombinant human PLK3 (57-340) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                  |
| <b>Source</b>           | Sf9 Cells                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 57-340                                                                                                                                                                                                                 |
| <b>Description</b>      | Cytokine-inducible kinase is a putative serine/threonine kinase. CNK contains both a catalytic domain and a putative regulatory domain. It may play a role in regulation of cell cycle progression and tumorigenesis.? |
| <b>Form</b>             | Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.                                                                                   |
| <b>Bio-activity</b>     | 2.2 nmol/min/mg                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | ~60 kDa                                                                                                                                                                                                                |
| <b>Purity</b>           | >75%                                                                                                                                                                                                                   |
| <b>Applications</b>     | Kinase Assay; Western Blot                                                                                                                                                                                             |
| <b>Stability</b>        | 1 yr at -70oC from date of shipment.                                                                                                                                                                                   |

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| <b>Storage</b> | Store product at –70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |
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|----------------------|-----------|
| <b>Concentration</b> | 0.1 ug/ul |
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## GENE INFORMATION

|                  |                                                  |
|------------------|--------------------------------------------------|
| <b>Gene Name</b> | PLK3?polo-like kinase 3 [?Homo sapiens?(human) ] |
|------------------|--------------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Official Symbol</b> | PLK3 |
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| <b>Synonyms</b> | polo-like kinase 3 (Drosophila); CNK; FNK; PRK; PLK3; serine/threonine-protein kinase PLK3; PLK-3; FGF-inducible kinase; cytokine-inducible kinase; proliferation-related kinase; cytokine-inducible serine/threonine-protein kinase;?Polo-like kinase 3; Proliferation-related kinase; Cytokine-inducible serine/threonine-protein kinase; EC 2.7.11.21 |
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| <b>Gene ID</b> | 1263 |
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|--------------------|-----------|
| <b>mRNA Refseq</b> | NM_004073 |
|--------------------|-----------|

|                       |           |
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| <b>Protein Refseq</b> | NP_004064 |
|-----------------------|-----------|

|            |        |
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| <b>MIM</b> | 602913 |
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|                   |        |
|-------------------|--------|
| <b>UniProt ID</b> | Q9H4B4 |
|-------------------|--------|

|                            |        |
|----------------------------|--------|
| <b>Chromosome Location</b> | 1p34.1 |
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|-----------------|-------------------------------------------------------------------------------------|
| <b>Pathway</b>  | Direct p53 effectors; FoxO signaling pathway; PLK3 signaling events                 |
| <b>Function</b> | ATP binding; p53 binding; protein binding; protein serine/threonine kinase activity |