

## Recombinant Human PLK4, GST-tagged

**Cat. No.** PLK4-1789H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                   |
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| <b>Product Overview</b> | Recombinant Human PLK4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                          |
| <b>Species</b>          | Human                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-263aa                                                                                                                                                           |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

### GENE INFORMATION

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| <b>Gene Name</b>       | PLK4 polo-like kinase 4 [ Homo sapiens ]                                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b> | PLK4                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>        | PLK4; polo-like kinase 4; polo like kinase 4 (Drosophila) , serine/threonine kinase 18 , STK18; serine/threonine-protein kinase PLK4; Sak; PLK-4; Snk akin kinase; serine/threonine kinase 18; serine/threonine-protein kinase 18; serine/threonine protein kinase SAK; serine/threonine-protein kinase Sak; SAK; STK18; |

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| <b>Gene ID</b>             | 10733                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>         | NM_001190799                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>      | NP_001177728                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>MIM</b>                 | 605031                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>          | O00444                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Chromosome Location</b> | 4q27-q28                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Pathway</b>             | Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Loss of Nlp from mitotic centrosomes, organism-specific biosystem; Loss of proteins required for interphase microtubule organization??from the centrosome, organism-specific biosystem; Mitotic G2-G2/M phases, organism-specific biosystem; |
| <b>Function</b>            | ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; protein tyrosine kinase activity;                                                                                                                                                                                                                                                                   |