

## Active Recombinant Human PLK1 protein, His-tagged

**Cat. No.** PLK1-785H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human PLK1 protein(NP_005021.2) (Met 1-Ser 603) was expressed in Insect Cells, with a polyhistidine tag at the N-terminus.                                        |
| <b>Species</b>          | Human                                                                                                                                                                                |
| <b>Source</b>           | Insect Cells                                                                                                                                                                         |
| <b>ProteinLength</b>    | 1-603 aa                                                                                                                                                                             |
| <b>Form</b>             | Supplied as sterile 50mM Tris, 100mM NaCl, pH 7.4, 0.5mM EDTA, 0.5mM EGTA, 0.5mM PMSF, 25% glycerol.                                                                                 |
| <b>Bio-activity</b>     | The specific activity was determined to be 5 nmol/min/mg using casein as substrate.                                                                                                  |
| <b>Molecular Mass</b>   | The recombinant human PLK1 consists of 621 amino acids and predicts a molecular mass of 70.5 kDa. It migrates as an approximately 66 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                      |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                     |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** [PLK1 polo-like kinase 1 \[ Homo sapiens \]](#)

**Official Symbol** [PLK1](#)

**Synonyms**

PLK1; polo-like kinase 1; PLK, polo like kinase (Drosophila); serine/threonine-protein kinase PLK1; PLK-1; polo like kinase; polo (Drosophila)-like kinase; serine/threonine-protein kinase 13; cell cycle regulated protein kinase; PLK; STPK13;

**Gene ID** [5347](#)

**mRNA Refseq** [NM\\_005030](#)

**Protein Refseq** [NP\\_005021](#)

**MIM** [602098](#)

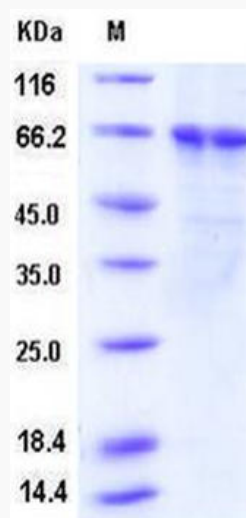
**UniProt ID** [P53350](#)

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SDS-PAGE



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