

## 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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