

Recombinant Human PLK1 (N-His tag)

Cat No:HR2R1891

For research use only

Overview

Quantity	10 ?g
Gene Symbol	PLK1
Gene ID	N/A
Accession	NM_005030
Alternative Name	STPK13
Species	Human
Source	Insect cells
Description	PLK1 is a member of the Polo-Like Kinase family that localize to centrosomes or spindle pole bodies and undergo dramatic subcellular relocation during the cell cycle. Deregulated activities of PLKs often result in abnormalities in centrosome duplication, maturation, and/or microtubule dynamics . PLKs also regulate the function of the Golgi complex. Deregulated expression of human PLK1 is strongly correlated with the development of many types of malignancies, and ectopic expression of PLK1 dominant negative protein leads to rapid cell death .
Functions	The specific activity of PLK1 was determined to be 20 nmol /min/mg as per activity assay protocol.
Formulation	50mM NaPhosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.2mM DTT, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	70
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70°C. 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.