

## Recombinant Human PLK2 (N-GST tag)

Cat No:HR2R1892

For research use only

### Overview

Quantity	10 ?g
Gene Symbol	PLK2
Gene ID	N/A
Accession	NM_006622
Alternative Name	SNK
Species	Human
Source	Insect cells
Description	<p>PLK2 or Polo-like kinase 2 is a serum-inducible kinase that is a member of the Polo family of serine/threonine protein kinases which play an essential role in normal cell division . PLK2 phosphorylates the P4.1-associated protein (CPAP), a human homologue of SAS-4, in procentriole formation during the centrosome cycle . PLK2 may also play a role as a tumor suppressor since it interacts with TSC1 protein which in turn inhibits mTOR signaling, tumor growth and chemosensitivity under hypoxic conditions. Human lung tumor cells deficient in PLK2 grow larger than control tumors, and PLK2 interacts with endogenous TSC1 protein in these tumors.</p>
Functions	The specific activity of PLK2 was determined to be 13 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	106
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.