

Recombinant Human PLK4 (N-GST tag)

Cat No:HR2R1894

For research use only

Overview

Quantity	10 ?g
Gene Symbol	PLK4
Gene ID	N/A
Accession	NM_014264
Alternative Name	SAK, STK18
Species	Human
Source	Insect cells
Description	PLK4 or polo-like kinase 4 is a member of the polo family of serine/threonine protein kinases which localizes to centrioles, complex microtubule-based structures found in centrosomes, and regulates centriole duplication during the cell cycle. The overexpression of PLK4 triggered the simultaneous formation of multiple procentrioles around each preexisting centriole which resulting in centriole amplification and thus, Plk4-induced centriole biogenesis in human cells .The reduced Plk4 gene dosage increases the probability of mitotic errors and cancer development .
Functions	The specific activity of PLK4 was determined to be 5.6 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	140
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.