

Active Recombinant Human PLK3, GST-tagged

Cat. No. PLK3-1069H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PLK3 (57-340) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	57-340
Description	Cytokine-inducible kinase is a putative serine/threonine kinase. CNK contains both a catalytic domain and a putative regulatory domain. It may play a role in regulation of cell cycle progression and tumorigenesis.?
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	2.2 nmol/min/mg
Molecular Mass	~60 kDa
Purity	>75%
Applications	Kinase Assay; Western Blot
Stability	1 yr at -70oC from date of shipment.

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Storage	Store product at –70oC. 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.
Concentration	0.1 ug/ul
GENE INFORMATION	
Gene Name	PLK3?polo-like kinase 3 [?Homo sapiens?(human)]
Official Symbol	PLK3
Synonyms	polo-like kinase 3 (Drosophila); CNK; FNK; PRK; PLK3; serine/threonine-protein kinase PLK3; PLK-3; FGF-inducible kinase; cytokine-inducible kinase; proliferation-related kinase; cytokine-inducible serine/threonine-protein kinase;?Polo-like kinase 3; Proliferation-related kinase; Cytokine-inducible serine/threonine-protein kinase; EC 2.7.11.21
Gene ID	1263
mRNA Refseq	NM_004073
Protein Refseq	NP_004064
MIM	602913
UniProt ID	Q9H4B4
Chromosome Location	1p34.1

Pathway	Direct p53 effectors; FoxO signaling pathway; PLK3 signaling events
Function	ATP binding; p53 binding; protein binding; protein serine/threonine kinase activity