



Human PLK3 peptide (DAG-P1062)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Jul 2008]
Specificity	Transcripts are highly detected in placenta, lung, followed by skeletal muscle, heart, pancreas, ovaries and kidney and weakly detected in liver and brain. May have a short half-live. In cells of hematopoietic origin, strongly and exclusively detected in
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. CDC5/Polo subfamily.Contains 2 POLO box domains.Contains 1 protein kinase domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	PLK3 polo-like kinase 3 [Homo sapiens (human)]
Official Symbol	PLK3
Synonyms	PLK3; polo-like kinase 3; CNK; FNK; PRK; serine/threonine-protein kinase PLK3; PLK-3; FGF-inducible kinase; cytokine-inducible kinase; proliferation-related kinase; cytokine-inducible serine/threonine-protein kinase;

Entrez Gene ID	1263
mRNA Refseq	NM_004073.2
Protein Refseq	NP_004064.2
UniProt ID	Q9H4B4
Chromosome Location	1p34.1
Pathway	Direct p53 effectors, organism-specific biosystem; FoxO signaling pathway, organism-specific biosystem; Integrated Breast Cancer Pathway, organism-specific biosystem; PLK3 signaling events, organism-specific biosystem; Polo-like kinase signaling events in the cell cycle, organism-specific biosystem; Tuberculosis, organism-specific biosystem; Tuberculosis, conserved biosystem;
Function	ATP binding; p53 binding; protein binding; protein serine/threonine kinase activity;