Recombinant Human PLK2

Cat. No. PLK2-31029TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PLK2 protein with a N terminal proprietary tag. Predicted molecular weight 106 kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	685 amino acids
Description	The protein encoded by this gene is a member of the polo family of serine/threonine protein kinases that have a role in normal cell division. This gene is most abundantly expressed in testis, spleen and fetal tissues, and its expression is inducible by serum, suggesting that it may also play an important role in cells undergoing rapid cell division. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	106.000kDa inclusive of tags
Biological activity	Specific actvity is 13 nmol/min/mg.
Form	Liquid
Purity	by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium

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	chloride, 10mM Glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
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.

GENE INFORMATION

Gene Name	PLK2 polo-like kinase 2 [Homo sapiens]
Official Symbol	PLK2
Synonyms	PLK2; polo-like kinase 2; polo like kinase 2 (Drosophila); serine/threonine-protein kinase PLK2; serum inducible kinase; SNK;
Gene ID	10769
mRNA Refseq	NM_001252226
Protein Refseq	NP_001239155
MIM	607023
Uniprot ID	Q9NYY3
Chromosome Location	5q12.1-q13.2
Pathway	PLK2 and PLK4 events, organism-specific biosystem; Polo-like kinase signaling events in the cell cycle, organism-specific biosystem;

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Function	ATP binding; nucleotide binding; protein serine/threonine kinase activity; signal transducer activity;

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