

PLK1 recombinant protein

PLK1, Active

CATALOG # AAA73832	HOST Sf9 insect cells	APPLICATIONS Western Blot
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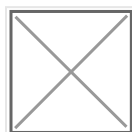
PRODUCT SYNONYMS

PLK1; Active; STPK13; PLK1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Applicable Applications for PLK1 recombinant protein	WB (Western Blot), Kinase Assay
Tag	HIS
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PLK1 recombinant protein	Recombinant full-length human PLK1 was expressed using baculovirus in Sf9 insect cells using an N-terminal His tag. The gene accession number is NM_005030. PLK1 is a member of the Polo-Like Kinase family that localize to centrosomes or spindle pole bodies and undergo dramatic subcellular relocation during the cell cycle. Deregulated activities of PLKs often result in abnormalities in centrosome duplication, maturation, and/or microtubule dynamics (1). PLKs also regulate the function of the Golgi complex. Deregulated expression of human PLK1 is strongly correlated with the development of many types of malignancies, and ectopic expression of PLK1 dominant negative protein leads to rapid cell death (2).
Product Categories/Family for PLK1 recombinant protein	Protein Kinases ; Cancer ; Cell Cycle ; Ser/Thr Kinases
References	1. Nigg, EA. et al: Dynamic changes in nuclear architecture during mitosis: on the role of protein phosphorylation in spindle assembly and chromosome segregation. Exp Cell Res. 1996 Dec 15;229 2. Dai, W. et al: Polo-like kinases and the microtubule organization center: targets for cancer therapies. Prog Cell Cycle Res. 2003;5:327-34..

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_005030
Molecular Weight	~70kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/plk1-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73832>