

Recombinant Human PLK1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. PLK1-352H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PLK1 MS Standard C13 and N15-labeled recombinant protein (NP_005021) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The Ser/Thr protein kinase encoded by this gene belongs to the CDC5/Polo subfamily. It is highly expressed during mitosis and elevated levels are found in many different types of cancer. Depletion of this protein in cancer cells dramatically inhibited cell proliferation and induced apoptosis; hence, it is a target for cancer therapy. [provided by RefSeq, Sep 2015]
Molecular Mass	68.1 kDa
AA Sequence	MSAAVTAGKLARAPADPGKAGVPGVAAPGAPAAAPPAKEIPEVLVDPRSRRRYVRG RFLGKGGFAKCFEISDADTKEVFAGKIVPKSLLLKPHQREKMSMEISIHRS LAHQHV GFHGGFFEDNDFVVFVLELCRRRSLLLELHKRRKALTEPEARYYLRQIVLGCQYLHRNR VIHRDLKLG NLF LNEDLEV KIGDFGLATKVEYDGERKKTLCGTPNYIAPEVLSKKGHS FEVDVWSIGCIMY TLLVGKPPFETSCLKETYLR IKKNEYSIPKHINPVAASLIQKMLQT DPTARPTINELLNDEFFTSGYIPARLPITCLTIPPRFSIAPSSLDPSNRKPLTVLNKGLE NPLPERPREKEEPVVRETGEVVDCHLS DMLQQLHSVNASKPSEGLVRQEEAEDP ACIPIFWVSKWVDYSDKYGLGYQLCDNSVGVLFNDSTRILYNDGDSLQYIERDGTE

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SYLTVSSHPNSLMKKITLLKYFRNYMSEHLLKAGANITPREGDELARLPYLRTWFRTR
 SAILHLSNGSVQINFFQDHTKLILCPLMAAVTYIDEKRDFRTYRLSLLEEYGCCKELA
 SRLRYARTMVDKLLSSRSASNRLKASTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PLK1 polo-like kinase 1 [Homo sapiens (human)]

Official Symbol PLK1

Synonyms PLK1; polo-like kinase 1; PLK, polo like kinase (Drosophila); serine/threonine-protein kinase PLK1; PLK-1; polo like kinase; polo (Drosophila)-like kinase; serine/threonine-protein kinase 13; cell cycle regulated protein kinase; PLK; STPK13;

Gene ID 5347

mRNA Refseq NM_005030

Protein Refseq NP_005021

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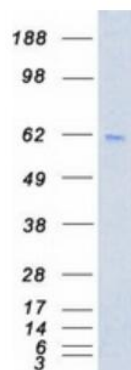
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MIM 602098

UniProt ID P53350

SDS-PAGE



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