

Recombinant Human PLK4 protein, His-tagged

Cat. No. PLK4-2618H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLK4 protein(1-263 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-263 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MATCIGEKIEDFKVGNLLGKGSFAGVYRAESIHTGLEVAIKMIDKKAMYKAGMVQRV QNEVKIHCQLKHPSILELYNYFEDSNYVYLVLEMCHNGEMNRYLKNRVKPFSENEAR HFMHQIITGMLYLHSHGILHRDLTSLNLLLTRNMNIKADFGLATQLKMPHEKHHTLCG TPNYISPEIATRSAHGLESVDVWSLGCMFYTLIGRPPFDTDVKNTLNKVVLADYEMP SFLSIEAKDLIHQLLRNPADRLSLSSVLDHP
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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Reconstitution	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.
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GENE INFORMATION

Gene Name	PLK4 polo-like kinase 4 [Homo sapiens]
Official Symbol	PLK4
Synonyms	PLK4; polo-like kinase 4; polo like kinase 4 (Drosophila) , serine/threonine kinase 18 , STK18; serine/threonine-protein kinase PLK4; Sak; PLK-4; Snk akin kinase; serine/threonine kinase 18; serine/threonine-protein kinase 18; serine/threonine protein kinase SAK; serine/threonine-protein kinase Sak; SAK; STK18;
Gene ID	10733
mRNA Refseq	NM_001190799
Protein Refseq	NP_001177728
MIM	605031
UniProt ID	O00444

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