

Recombinant Human PLK4, GST-tagged

Cat. No. PLK4-1789H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLK4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-263aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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;

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Gene ID	10733
mRNA Refseq	NM_001190799
Protein Refseq	NP_001177728
MIM	605031
UniProt ID	O00444
Chromosome Location	4q27-q28
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Loss of Nlp from mitotic centrosomes, organism-specific biosystem; Loss of proteins required for interphase microtubule organization??from the centrosome, organism-specific biosystem; Mitotic G2-G2/M phases, organism-specific biosystem;
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; protein tyrosine kinase activity;

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