

Recombinant Human Polo-like Kinase 4, GST-His

Cat. No. PLK4-705H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLK4, full length, amino acids M1-H970, N-terminally fused to GST-HIS6-Thrombin cleavage site, was expressed in <i>Sf9</i> insect cells. MW = 138,568 Da.
Species	Human
Source	Sf9 Cells
ProteinLength	1-970 a.a.
Description	This gene encodes a member of the polo family of serine/threonine protein kinases. The protein localizes to centrioles, complex microtubule-based structures found in centrosomes, and regulates centriole duplication during the cell cycle.
Purification	One-step affinity purification using GSH-agarose.
Product Identity	SAK was confirmed as human SAK by mass spectroscopy LC-ESI-MS/MS (Protagen AG, Germany).
Storage Buffer	50 mM HEPES, pH 7.5; 100 mM NaCl, 5 mM DTT, 4 mM reduced glutathione, 20% glycerol.
Concentration	0.050 µg/µl (Bradford method using BSA [Sigma, cat#A-7638, Lot 79H7641] as standard protein)

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Specific Activity	6 pmol/μg×min.
Storage	-80°C. Avoid repeated freeze-thaw cycles!
Full Length	Full L.
GENE INFORMATION	
Gene Name	PLK4 polo-like kinase 4 [Homo sapiens]
Synonyms	PLK4; polo-like kinase 4; SAK; STK18; serine/threonine-protein kinase PLK4; PLK-4; Snk akin kinase; serine/threonine kinase 18; serine/threonine-protein kinase 18; serine/threonine protein kinase SAK; serine/threonine-protein kinase Sak; EC 2.7.11.21; polo-like kinase 4 (Drosophila)
Gene ID	10733
mRNA Refseq	NM_001190799
Protein Refseq	NP_001177728
MIM	605031
UniProt ID	O00444
Chromosome Location	4q28
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; protein tyrosine kinase activity; transferase activity

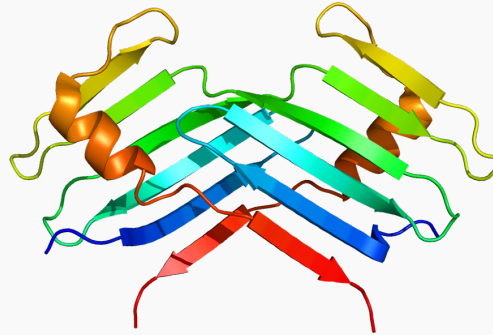
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