

Recombinant Human PLK4 (G95L) Protein, GST-tagged

Cat. No. PLK4-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PLK4 (G95L) (1-836) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
ProteinLength	1-836 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. Three alternatively spliced transcript variants that encode different protein isoforms have been found for this gene.
Molecular Mass	120 kDa
Purity	> 90%
Applications	Kinase Assay
Stability	One year at -70 centigrade from date of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most

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favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Concentration 0.05 µg/µL

Storage Buffer Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT and 25% glycerol.

GENE INFORMATION

Gene Name PLK4 polo like kinase 4 [Homo sapiens (human)]

Official Symbol PLK4

Synonyms PLK4; polo like kinase 4; SAK; STK18; MCCRP2; serine/threonine-protein kinase PLK4; serine/threonine-protein kinase 18; serine/threonine-protein kinase Sak; EC 2.7.11.21

Gene ID 10733

mRNA Refseq NM_014264

Protein Refseq NP_055079

MIM 605031

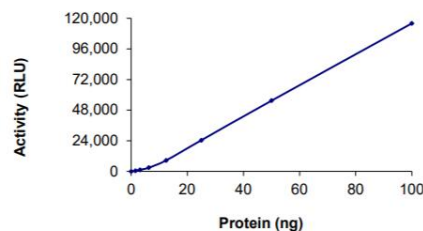
UniProt ID O00444

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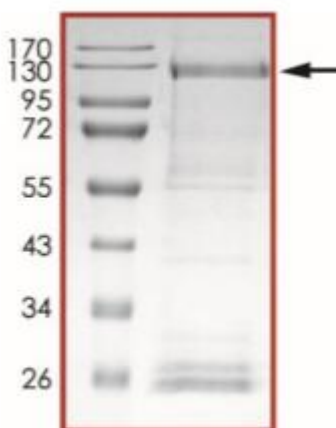
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Specific Activity



The Specific Activity of PLK4 (G95L) was determined to be 0.9 nmol/min/mg as per activity assay protocol.

SDS-PAGE



The purity of PLK4 (G95L) was determined to be > 90% by densitometry.