

Recombinant Active Human PLK4 (G95L) Mutant Protein, GST-tagged

Cat. No. PLK4-39H **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
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	Approx 120 kDa
Purity	> 90%
Stability	One year at -70 centigrade from data 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 favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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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, 25% glycerol.
Shipping	Dry ice

GENE INFORMATION

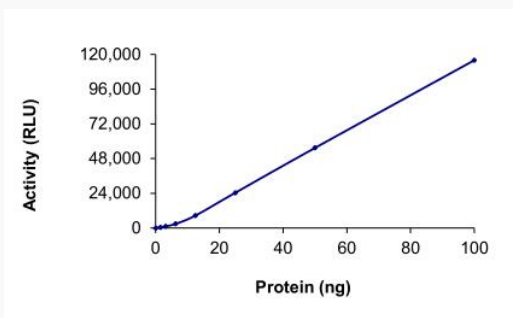
Gene Name	PLK4 polo like kinase 4 [Homo sapiens (human)]
Official Symbol	PLK4
Synonyms	PLK4; polo like kinase 4; SAK; STK18; MCCRP2; serine/threonine-protein kinase PLK4; Snk akin kinase; serine/threonine-protein kinase 18; serine/threonine-protein kinase Sak; EC 2.7.11.21
Gene ID	10733
mRNA Refseq	NM_014264
Protein Refseq	NP_055079
MIM	605031
UniProt ID	O00444

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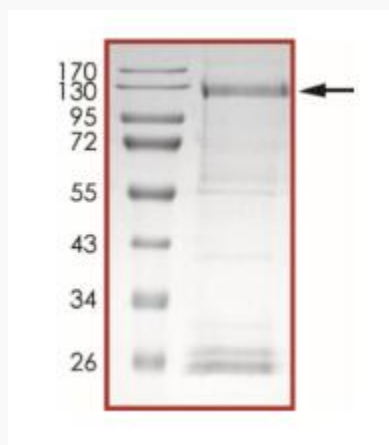
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Specific Activity



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

Purity



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