

## Recombinant Human Polo-like Kinase 2 (Drosophila), GST-tagged

Cat. No. PLK2-565H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human full length Plk2 with N-terminal GST tag expressed in <i>aBaculovirus infected Sf9 cell</i> expression system. MW =107 kDa.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Description</b>	Serine/threonine-protein kinase PLK2 is an enzyme that in humans is encoded by the PLK2 gene. Serum-inducible kinase is a member of the "polo" family of serine/threonine protein kinases that have a role in normal cell division.
<b>Application</b>	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
<b>Purity</b>	>80%.
<b>Specific Activity</b>	4.6 pmol/min/μg enzyme reaction is conducted in a buffer containing 50mM HEPES (pH7.5), 10mM MgCl <sub>2</sub> , 1mM EGTA, 200μM ATP, 0.01% Brij-35 and 2μM substrate (SER/THR 16, Invitrogen) at room temperature for 1 hour.
<b>Formulated In</b>	25mM Tris-HCl, pH 8.0, 100mM NaCl, 0.05% Tween-20, 50% glycerol, and 3mM DTT.
<b>Stability</b>	>6 months at -80°C.

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**Full Length** Full L.

## GENE INFORMATION

**Gene Name** [PLK2 polo-like kinase 2 \(Drosophila\) \[ Homo sapiens \]](#)

**Synonyms** polo-like kinase 2 (Drosophila); SNK; PLK2; serine/threonine-protein kinase PLK2; PLK-2; serum-inducible kinase; serine/threonine-protein kinase SNK; Serum-inducible kinase; polo-like kinase 2; Polo-like kinase 1; EC 2.7.11.21

**Gene ID** [10769](#)

**mRNA Refseq** [NM\\_006622.2](#)

**Protein Refseq** [NP\\_006613.2](#)

**MIM** [607023](#)

**UniProt ID** [Q9NYY3](#)

**Chromosome Location** 5q12.1-q13.2

**Function** ATP binding; nucleotide binding; polo kinase kinase activity; protein binding; protein serine/threonine kinase activity; signal transducer activity; transferase activity

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