

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

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

SPECIFICATION

Product Overview	Recombinant Human full length Plk2 with N-terminal GST tag expressed in <i>aBaculovirus infected Sf9 cell</i> expression system. MW =107 kDa.
Species	Human
Source	Sf9 Cells
Description	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.
Application	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Purity	>80%.
Specific Activity	4.6 pmol/min/μg enzyme reaction is conducted in a buffer containing 50mM HEPES (pH7.5), 10mM MgCl ₂ , 1mM EGTA, 200μM ATP, 0.01% Brij-35 and 2μM substrate (SER/THR 16, Invitrogen) at room temperature for 1 hour.
Formulated In	25mM Tris-HCl, pH 8.0, 100mM NaCl, 0.05% Tween-20, 50% glycerol, and 3mM DTT.
Stability	>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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