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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Data Sheet

PLK4

Human, recombinant, N-terminal GST-tag

Catalog#: 40236

Lot#: 140926

Conc.: 0.05 mg/ml

Formulated in: 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.

Stability: >6 months at -80°C . Avoid freeze/thaw cycles. Storing diluted protein is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).

References:

1. Kleylein-Sohn, J. *et al.*, *Dev. Cell.* 2007; **13**: 190-202.
2. Ko, M.A. *et al.*, *Nature Genet.* 2005; **37**: 883-888.

Description: Human polo-like kinase 4 (PLK4), also known as serine/threonine protein kinase 18 (STK18), SAK, GenBank Accession No. NM_014264, a.a. 1-836 with an N-terminal GST-tag, expressed in a baculovirus-infected Sf9 cell expression system. MW = 140 kDa.

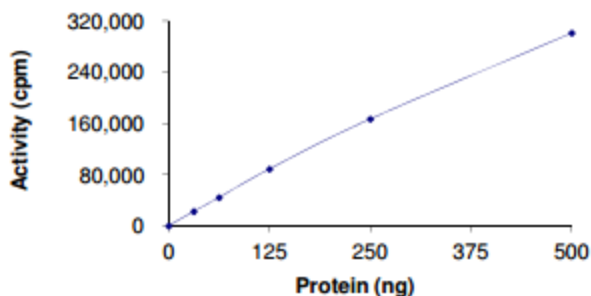
Specific Activity: 6.4 pmol/min/ μg

Assay Conditions: 10 μl of varying amounts of PLK4 was mixed with 5 μl of 1 mg/ml MBP protein substrate and 5 μl of distilled water. Reaction was initiated by adding 5 μl of 250 μM [^{33}P]-ATP and incubating for 15 min at 30°C followed by spotting the reaction on phosphocellulose paper, fixing in 1% phosphoric acid, and assaying with a scintillation counter.

Application: Useful for studying enzyme kinetics and screening small molecule inhibitors.

Quality Assurance

Specific Activity



**4-20% SDS-PAGE
Coomassie staining**

Lane 1:

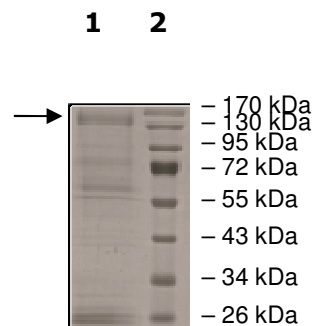
PLK4

Lane 2:

Protein Marker

MW: 140 kDa

Purity: $\geq 70\%$



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