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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

CDK2/CyclinE1, GST-Tag

Human, Recombinant, N-terminal GST-tag

Catalog #: 40102

Lot #: 171121 **Conc.:** 0.1 mg/ml

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

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

References:

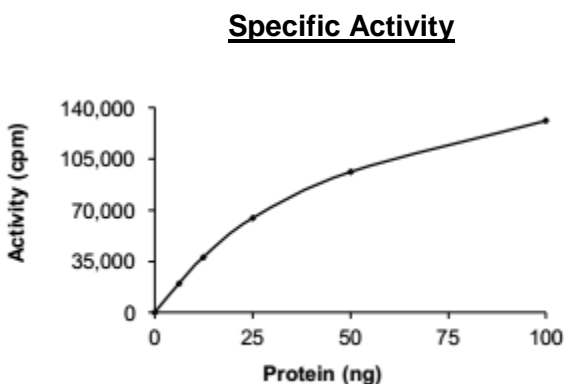
1. Caldon, C.E., *et al Cell Div.* 2010; **5(2)**.
2. Huang, H., *et al. Science* 2006; **314:294-297**.

Description: Human Dual CDK2/CyclinE1 protein complex also known as p33 and CCNE, respectively, GenBank Accession No. NM_001798 and NM_001238, both full length, with N-terminal GST-tags, MW=58 kDa (CDK2) and MW=73 kDa (CyclinE1), expressed in a baculovirus-infected Sf9 cell expression system.

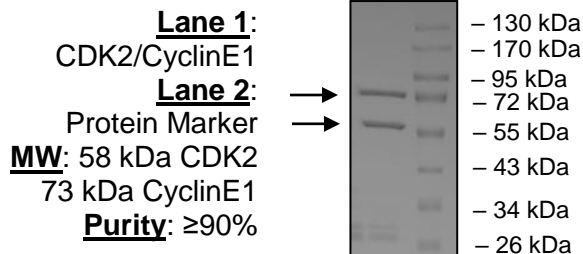
Specific Activity: 343 pmole/min/ μg
Assay Conditions: Varying concentrations of CDK2/CyclinE1 were mixed with 5 μg of Histone H1 protein substrate and 5 μl of 250 μM [^{33}P]-ATP was added for a total volume of 25 μl . Mixture was incubated for 15 min at 30°C . Reaction was stopped by placing 20 μl of reaction onto phosphocellulose P81 paper. Paper was washed 3 times with 1% phosphoric acid solution for 10 min each and air dried. Radioactivity was measured from the P81 paper in the presence of scintillation fluid using a scintillation counter.

Application: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Assurance



4-20% SDS-PAGE
Coomassie staining



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