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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

CDK2(1-298)/CyclinA2

Human, recombinant, N-terminal His-GST tag
 Catalog #: 41101
 Lot #: 130325 Conc.: 0.46 mg/ml

Formulated in: 20 mM NaH₂PO₄/Na₂HPO₄, pH 8.0, 400 mM NaCl, 20 mM Glutathione, 10% glycerol, and 2 mM DTT.

Stability: >6 months at -70°C. Avoid multiple freeze/thaw cycles.

References:

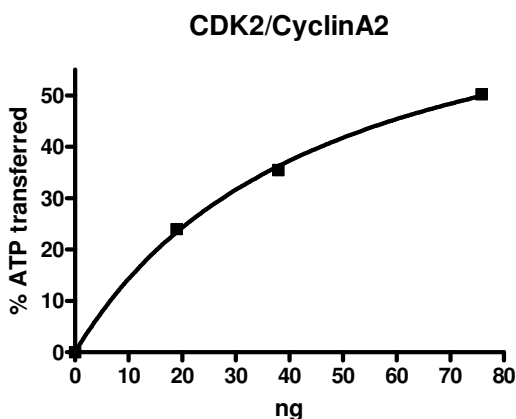
1. Brown NR., *et al. Cell Cycle*. 2007 Jun 1;**6(11)**:1350-9.
2. Hara KT., *et al. Dev Biol*. 2005 Oct 1;**286(1)**:102-13.

Description: Recombinant full-length human CDK2 a.a. 1-298 (end), MW = 34 kDa with no tag, and CyclinA2 a.a. 174-432 (end) with N-terminal His-GST tags, MW = 57 kDa. Both were co-expressed in a baculovirus Sf9 insect cell expression system. The CDK2 gene accession number is NM_001798 and the CyclinA2 gene accession number is NM_001237.

Specific Activity: 203 pmol/min/μg.
Assay Conditions: Assay was done in a Kinase buffer using Histone H1 (Cell Signaling; 0.1 mg/ml at final concentration) as a substrate with 20 μM ATP at 30°C for 45 min. The amount of ATP transferred was calculated using Kinase-Glo® reagent (Promega).

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

Quality Assurance



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

Lane 1:
 3.48 μg CDK2/Cyclin A2

Lane 2:
 Protein Marker

MW:
 Cyclin A2= 57 kDa
 CDK2= 34 kDa

Purity: ≥98%

