

## CDK1-CCNA2 Protein, Human (sf9, GST, His)

<b>Cat. No.:</b>	HY-P702671
<b>Synonyms:</b>	CDK1; cyclin-dependent kinase 1; CDC2, cell division cycle 2, G1 to S and G2 to M; CDC28A; p34 protein kinase; cell cycle controller CDC2; cell division protein kinase 1; cell division control protein 2 homolog; cell division cycle 2, G1 to S and G2 to M; CDC2; P34CDC2; MGC111195; DKFZp686L20222
<b>Species:</b>	Human
<b>Source:</b>	Sf9 insect cells
<b>Accession:</b>	P06493-1 (M1-M297)&P20248 (E174-L432)
<b>Gene ID:</b>	983&890
<b>Molecular Weight:</b>	60.6 kDa & 32.8 kDa

### PROPERTIES

<b>Biological Activity</b>	The activity was measured by off-chip mobility shift assay(MSA). The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by MSA device. The Km of CDK1-CCNA2 for its substrate is 116 $\mu$ M.
<b>Appearance</b>	Solution.
<b>Formulation</b>	Supplied as a 0.2 $\mu$ m filtered solution of 20 mM Tris-HCl(pH 7.5), 200 mM NaCl, 20% glycerol, 1 mM DTT.
<b>Endotoxin Level</b>	<1 EU/ $\mu$ g, determined by LAL method.
<b>Reconstitution</b>	Please use rapid thawing with running water to thaw the protein.
<b>Storage &amp; Stability</b>	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
<b>Shipping</b>	Shipping with dry ice.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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