

# CDK1 (Human) Cell-Based ELISA Kit

Catalog # KA5634

Size 1 Kit

## Specification

<b>Product Description</b>	CDK1 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of CDK1 expression in cultured cells.
<b>Suitable Sample</b>	Attached cell, loosely attached cell and suspension cell
<b>Label</b>	HRP-conjugated
<b>Detection Method</b>	Colorimetric
<b>Assay Type</b>	Qualitative
<b>Reactivity</b>	Human, Mouse, Rat
<b>Regulatory Status</b>	For research use only (RUO)
<b>Storage Instruction</b>	Store at 4°C for six months.

## Applications

- Qualitative

## Gene Info — CDK2

<b>Entrez GeneID</b>	<a href="#">1017</a>
<b>Protein Accession#</b>	<a href="#">P06493</a>
<b>Gene Name</b>	CDK2
<b>Gene Alias</b>	p33(CDK2)
<b>Gene Description</b>	cyclin-dependent kinase 2

Omim ID [116953](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein kinase is highly similar to the gene products of *S. cerevisiae* cdc28, and *S. pombe* cdc2. It is a catalytic subunit of the cyclin-dependent protein kinase complex, whose activity is restricted to the G1-S phase, and essential for cell cycle G1/S phase transition. This protein associates with and regulated by the regulatory subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A) and p27Kip1 (CDKN1B). Its activity is also regulated by its protein phosphorylation. Two alternatively spliced variants and multiple transcription initiation sites of this gene have been reported. [provided by RefSeq]

**Other Designations** cdc2-related protein kinase|cell division kinase 2|p33 protein kinase

## Pathway

- [Cell cycle](#)
- [p53 signaling pathway](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Small cell lung cancer](#)

## Disease

- [Azoospermia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Chromosome Aberrations](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Neoplasm Invasiveness](#)

- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)