

## Recombinant Human CDK2 Protein, GST-Tagged

Cat. No. CDK2-1000H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Human CDK2 full-length ORF (AAH03065, 1 a.a. - 298 a.a.) recombinant protein with GST-tag at N-terminal.

**Species** Human

**Source** Wheat Germ

**Description** This gene encodes a member of a family of serine/threonine protein kinases that participate in cell cycle regulation. The encoded protein is the catalytic subunit of the cyclin-dependent protein kinase complex, which regulates progression through the cell cycle. Activity of this protein is especially critical during the G1 to S phase transition. This protein associates with and regulated by other subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A), and p27Kip1 (CDKN1B). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]

**Molecular Mass** 58.52 kDa

**AA Sequence**  
MENFQKVEKIGEGTYGVVYKARNKLTGEVVALKKIRLDTETEGVPSTAIREISLLKELN  
HPNIVKLLDVIHTENKLYLVFEFLHQDLKKFMDASALTGIPLPLIKSYLFQLLQGLAFCH  
SHRVLHRDLKPNLLINTEGAIKLADFGLARAFGVPRVRYTHEVVTLWYRAPEILLGC  
KYYSTAVDIWSLGCIFAEMVTRRALFPGDSEIDQLFRIFRTLGTPDEVVWPGVTSMP  
DYKPSFPKWARQDFSKVVPPLDEDGRSLLSQMLHYDPNKRISAKAALAHPPFQDVT  
KPVPHLRL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	CDK2 cyclin-dependent kinase 2 [ Homo sapiens ]
<b>Official Symbol</b>	CDK2
<b>Synonyms</b>	CDK2; cyclin-dependent kinase 2; p33 protein kinase; cell division kinase 2; cdc2-related protein kinase; cell division protein kinase 2; p33(CDK2);
<b>Gene ID</b>	1017
<b>mRNA Refseq</b>	NM_001798
<b>Protein Refseq</b>	NP_001789
<b>MIM</b>	116953
<b>UniProt ID</b>	P24941

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA



**Quality Control  
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA