

# Recombinant Full Length Human CDK2 Protein, GST-tagged

Cat. No. CDK2-3178HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human CDK2 full-length ORF (AAH03065, 1 a.a. - 298 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	298 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	58.52 kDa
<b>AA Sequence</b>	MENFQKVEKIGEGTYGVVYKARNKLTGEVVALKKIRLDTETEGVPSTAIRESLLKELN HPNIVKLLDVIHTENKLYLVFEFLHQDLKKFMDASALTGIPLPLIKSYLFQLLQGLAFCH SHRVLHRDLKPNLLINTEGAIKLADFGFLARAFGVPVRTYTHEVVTLWYRAPEILLGC KYYSTAVDIWSLGCIFAEMVTRRALFPGDSEIDQLFRIFRTLGTPDEVVWPGVTSMP DYKPSFPKWARQDFSKVVPPLDEDGRSLLSQMLHYDPNKRISAKAALAHPPFQDVT

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	KPVPHLRL
<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.
<b>GENE INFORMATION</b>	
<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

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