

Recombinant Human CDK2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CDK2-5392H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CDK2 MS Standard C13 and N15-labeled recombinant protein (NP_001789) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	33.9 kDa
AA Sequence	MENFQKVEKIGEGTYGVVYKARNKLTGEVVALKKIRLDTETEGVPSTAIRESLLKELN HPNIVKLLDVIHTENKLYLVFEFLHQDLKKFMDASALTGIPLPLIKSYLFQLLQGLAFCH SHRVLHRDLKPQNLLINTEGAIKLADFGRLARAFGVPVRTYTHEVVTWLYRAPEILLGC KYYSTAVDIWSLGCIFAEMVTRRALFPGDSEIDQLFRIFRTLGTPEVWVPGVTSMP DYKPSFPKWARKQDFSKVVPPLDEDEGRSLLSQMLHYDPNKRISAKAALAHPPFQDVT KPVPHRLRLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

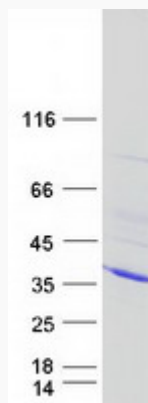
GENE INFORMATION

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

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SDS-PAGE

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