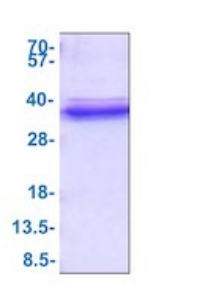
Full-Length

CDK2 (Human) Recombinant Protein

Catalog # P7728 Size 250 ug

Applications



SDS-PAGE analysis of CDK2 (Human) Recombinant Protein

Specification

Product Description	Human CDK2 (NP_001789.2, 1 a.a. - 298 a.a) full-length recombinant protein with His tag expressed in *Baculovirus* expression system.
Sequence	MENFQKVEKIGEGTYGVVYKARNKLTGEVVALKKIRLDTETEGVPSTAIREISLLKELNHPNIVKLLD VIHTENKLYLVFEFLHQDLKKFMDASALTGIPLPLIKSYLFQLLQGLAFCHSHRVLHRDLKPQNLLIN TEGAIKLADFGLARAFGVPVRTYTHEVVTLWYRAPEILLGCKYYSTAVDIWSLGCIFAEMVTRRALF PGDSEIDQLFRIFRTLGTPDEVVWPGVTSMPDYKPSFPKWARQDFSKVVPPLDEDGRSLLSQML HYDPNKRISAKAALAHPFFQDVTKPVPHLRL
Host	Viruses
Theoretical MW (kDa)	34.9
Form	Liquid
Preparation Method	*Baculovirus* expression system
Concentration	0.5mg/mL
Purity	> 90% by SDS-PAGE
Quality Control Testing	3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain. SDS-PAGE analysis of CDK2 (Human) Recombinant Protein

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.1mM PMSF, 2 mM DTT, 30% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — CDK2

Entrez GeneID	1017
Protein Accession#	P24941
Gene Name	CDK2
Gene Alias	p33(CDK2)
Gene Description	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 devision kinase 2|p33 protein kinase

Pathway

- Cell cycle
- p53 signaling pathway

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.