

CDK2, 1-298aa, Human, His tag, E.coli

Cat.NO.: TP01557

3th Edition

Synonyms:Cyclin-depoment kinase 2, p33 (CDK2).

Description:CDK2, also known as cyclin-depoment kinase 2, is a member of the Ser/Thr protein kinase family. It is highly similar to the gene products of *S. cerevisiae* cdc28, and *S. pombe* cdc2. It is a catalytic subunit of the cyclindependent protein kinase complex, whose activity is restricted to the G1-S phase, and is essential for cell cycle G1/S phase transition.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT

Molecular Weight:35.0 kDa (306aa), confirmed by MALDI-TOF

Sequences:

MENFQKVEKIGEGTYGVVYKARNKLTGEVVALKKIRLDTETEGVPSTAIREISLLKELNHPNIVKLLDVIHTENKLYLVF
EFLHQDLKKFMDASALTGIPLPLIKSYLFQLLQGLAFCHSHRVLHRDLKPQNLLINTEGAIKLADFGLARAFGVPVRTY
THEVVTLWYRAPEILLGCKYYSTAVDIWSLGCIFAEMVTRRALFPGDSEIDQLFRIFRTLGPDEVVWPGVTSMPDY
KPSFPKWARQDFSKVVPPLDEDGRSLLSQMLHYDPNKRISAKAALAHPPFFQDVTKPVPHLRLLLEHHHHHH

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.