

CDK1, 1-297aa, Human, His tag, E.coli

Cat.NO.: TP01554

3th Edition

Synonyms:Cyclin-dependent kinase 1 isoform 1, CDC2, CDC28A, P34CDC2

Description:CDK1 also known as Cyclin-dependent kinase 1 plays a key role in the control of the eukaryotic cell cycle by modulating the centrosome cycle as well as mitotic onset; promotes G2-M transition, and regulates G1 progress and G1-S transition via association with multiple interphase cyclins. This protein is required in higher cells for entry into S-phase and mitosis. Recombinant human CDK1, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol

Molecular Weight:36.2kDa (317aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMEDYTKIEKIGEGTYGVVYKGRHKTTGQVVAMKKIRLESEEEGVPSTAIRESLLKE
LRHPNIVSLQDVLMQDSRLYLIFEFLSMDLKKYLD SIPP GQYMDSSLVKS YLYQILQGIVFCHSRRVLHRDLKPQNLLI
DDKGTIKLADFG LARAFGIPIRVYTHEVVT LWYRSPEVLLGSARYSTPVDIWSIGTIFAELATKKPLFHGDSEIDQLFRI
FRALGTPNNEVWPEVESLQDYKNTFPKWKPGSLASHVKNLDENGLDLLSKMLIYDPAKRISGKMALNHPYFNDLDN
QIKKM

Purity:> 95% by HPLC

Concentration:1mg/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.