

CDK1, 1-297aa Human, His tag, Insect cell

Cat.NO.: TP01553

3th Edition

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

Description:Cyclin-dependent kinase 1, also known as CDK1, 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 protein, fused to His-tag at C-terminus, was expressed in insect cells using baculovirus expression system and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate buffered saline (pH7.4), 30% glycerol, 2mM DTT, 0.1mM PMSF

Molecular Weight:35.1 kDa (305aa)

Sequences:

MEDYTKIEKIGEGTYGVVYKGRHKTGQVVAMKKIRLESEEEGVPSTAIRESLLKELRHPNIVSLQDVLMQDSRLYLIFEFLSMDLKKYLD SIPPQQYMDSSLVKSILYQILQGIVFCHSRRVLHRDLKPQNLLIDDKGTIKLADFG LARAFGIPIRVYT HEVVTLWYRSPEVLLGSARYSTPVDIWSIGTIFAELATKKPLFHGDSEIDQLFRIFRALGTPNNEVWPEVESLQDYKNTFPKWKPGSLASHVKNLDENGLDLLSKMLIYDPAKRISGKMALNHPYFNDLDNQIKKMLEHHHHHH

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.