

## 32-2960: CDK1 Recombinant Protein

**Alternative Name :** Cyclin-Dependent Kinase 1, CDC2, Cell Division Cycle 2, G1 To S And G2 To M, Cell Division Control Protein 2 Homolog, Cell Division Protein Kinase 1, P34 Protein Kinase, P34CDC2, CDC28A, Cell Cycle Controller CDC2, EC 2.7.11.22, EC 2.7.11.23, CDKN1,

### Description

Source : Sf9, Baculovirus cells. CDK1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 305 amino acids (1-297a.a.) and having a molecular mass of 35.1kDa. CDK1 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques. Cyclin-dependent kinase 1 (CDK1) plays a significant part in the control of the eukaryotic cell cycle through modulating the centrosome cycle in addition to mitotic onset; CDK1 promotes G2-M transition and regulates G1 progress and G1-S transition using association with multiple interphase cyclins. CDK1 is essential in higher cells for the entry into S-phase and mitosis.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** CDK1 protein solution (0.5mg/ml) contains Phosphate buffered saline (pH7.4), 30% glycerol, 2mM DTT and 0.1mM PMSF.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MEDYTKIEKI GEGTYGVVYK GRHKTGQVV AMKKIRLESE EEGVPSTAIRESILLKELRH  
PNIVSLQDVL MQDSRLYLIF EFLSMDLKKY LDSIPPGQYM DSSLVKSYLE  
QILQGIVFCHSRRVLHRDLK PQNLLIDDKG TIKLADFGLA RAFGIPIRVY THEVVTWYR  
SPEVLLGSARYSTPVDIWSI GTIFAEATK KPLFHGDSEI DQLFRIFRAL  
GTPNNEVWPEVESLQDYKNT FPKWKPGSLA SHVKNLDENG LDLLSKMLIY DPAKRISGKM  
ALNHPYFNDL DNQIKKMLEHHHHHH.

