

CDK1 Cyclin-Dependent Kinase 1 Human Recombinant Protein

Catalog Number: PROTP06493-1

Introduction

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.

Overview

Product Name	CDK1 Cyclin-Dependent Kinase 1 Human Recombinant Protein
Description	CDK1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 317 amino acids (1-297 a.a) and having a molecular mass of 36.2kDa. CDK1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Size	5ug, 20ug, 1mg
Tag	
Form	Sterile filtered colorless solution.
Source	E. Coli
Formulation	CDK1 protein solution (1mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.

Concentration

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSGLVPRGSHMEDYTKIEI GEGTYGVVYK GRHKTGQVV AMKKIRLESE EEGVPSTAIR EISLLKELRH
PNIVSLQDVLMQDSRLYLIF EFLSMDLKKY LDSIPPGQYM DSSLVKSYLY QILQGIVFCH SRRVLHRDLK PQNLLIDDKGTIKLADFGLA RAFGIPRVY
THEVVTLWYR SPEVLLGSAR YSTPVDIWSI GTIFAELATK KPLFHGDSEIDQLFRIFRAL GTPNNEVWPE VESLQDYKNT FPKWKPGSLA

SHVKNLDENG LDLLSKMLIY DPAKRISGKMALNHPYFNDL DNQIKKM. [?/description_after_attributes?](#)

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