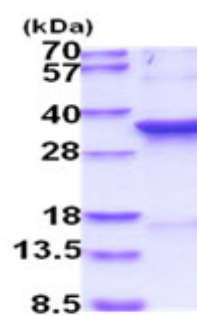


AR51832PU-N

Human CDK1 (1-297, His-tag) - Purified

Alternate names:	CDC2, CDC28A, CDK1, CDKN1, Cell division control protein 2 homolog, Cell division protein kinase 1, Cyclin-dependent kinase 1, P34CDC2, p34 protein kinase
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	P06493
NCBI:	NP_001777
GeneID:	983
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol.
Description:	Recombinant human CDK1, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHH SGLVPRGSH MEDYTKIEKI GEGTYGVVYK GRHKTGQVV AMKKIRLESE EEGVPSTAIR EISLLKELRH PNIVSLQDVL MQDSRLYLIF EFLSMDLKKY LDSIPPGQYM DSSLVKSYLY QILQGIVFCH SRRVLHRDLK PQNLLIDDKG TIKLADFGLA RAFGIPIRVY THEVVTWYR SPEVLLGSAR YSTPVDIWSI GTIFAELATK KPLFHGDSEI DQLFRIFRAL GTPNNEVWPE VESLQDYKNT FPKWKPGSLA SHVKNLDENG LDLLSKMLIY DPAKRISGKM ALNHPYFNDL DNQIKKM Molecular weight: 36.2 kDa (317aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Enserink JM., et al. (2010) Cell Division 5 (11): 1–41.

Pictures:



15% SDS-PAGE (3ug)