



Recombinant Human CDK1 Protein Product Manual

1. Product Basic Information

Product No.: REP06413

Protein Name: P34 Protein Kinase (CDK1)

Aliases: CDC2; CDC28A; P34CDC2; p34 protein kinase; cell division cycle 2, G1 to S and G2 to M

UniProt ID: P06493

UniProt Link: <https://www.uniprot.org/uniprotkb/P06493/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-297aa)

Molecular Weight: 38.1 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-297aa)

MEDYTKIEKIGEGTYGVVYKGRHKTTGQVVAMKKIRLESEEEGVPSTAIREISLLKEL
RHPNIVSLQDVLMQDSRLYLIFEFLSMDLKKYLD SIPP GQYMDSSLVKS YLYQILQGI
VFCHSRRVLHRDLKPQNLLIDDKGTIKLADFG LARAFGIPIRVYTHEVVT LWYRSPEV
LLGSARYSTPVDIWSIGTIFAELATKKPLFHGDSEIDQLFRIFRALGTPNNEVWPEVE
SLQDYKNTFPKWKPGSLASHVKNLDENGLDLLSKMLIYDPAKRISGKMALNHPYFN
DLDNQIKKM

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause

5. Product Description

This product is a recombinant Human CDK1 full length protein (1-297aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. CDK1, also known as CDC2 or CDC28A or P34CDC2, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.