

**CDK3, 1-305aa, Human, His tag, E.coli**

**Cat.NO.: TP01560**

3th Edition

**Synonyms:**Cyclin-dependent kinase 3, CDKN3, Cell division protein kinase 3, Cyclin dependent kinase 3

**Description:**CDK3 is a member of the cyclin-dependent protein kinase family. The protein promotes entry into S phase, in part by activating members of the E2F family of transcription factors. The protein also associates with cyclin C and phosphorylates the retinoblastoma 1 protein to promote exit from G0. Recombinant human CDK3 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1M Urea, 10% glycerol

**Molecular Weight:**37.4kDa (328aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMDFQKVEKIGEGTYGVVYKAKNRETGQLVALKKIRLDLEMEGVPSTAI  
REI  
SLLKELKHPNIVRLLDVVHNERKLYLVFEFLSQDLKKYMDSTPGSELPLHLIKSYLFQLLQGVSFCHSHRVIHRDLKP  
QNLLINELGAIKLADFGLARAFGVPLRITYTHEVVTLWYRAPEILLGSKFYTTAVDIWSIGCIFAEMVTRKALFPGDSEI  
DQLFRIFRMLGTPSEDTWPGVTQLPDYKGSFPKWTRKGLEEIVPNLEPEGRDLLMQLLQYDPSQRITAKTALAHPY  
FSSPEPSPAARQYVLQRFRH

**Purity:**> 95% by HPLC

**Concentration:**0.25 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.