

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
REISLLKELKHPNIVRLLDVVHNERKLYLVFEFLSQDLKKYMDSTPGSELPLHLIKSYLFQLLQGVSFCHSHRVIHRDLKP
QNLLINELGAIKLADFGFLARAFGVPLRTYTHEVVT LWYRAPEILLGSKFYTTAVDIWSIGCIFAEMVTRKALFPGDSEI
DQLFRIFRMLGTPSEDTPWPGVTQLPDYKGSFPAKWTRKGLLEIVPNLEPEGRDLLMQLLQYDPSQRITAKTALAHPY
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.