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Recombinant human CDK3 protein

Catalog Number: ATGP2169

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-305aa

UniProt No.
Q00526

NCBI Accession No.
NP_001249

Alternative Names
Cyclin-dependent kinase 3, CDKN3, Cell division protein kinase 3, Cyclin dependent kinase 3

PRODUCT SPECIFICATION

Molecular Weight
37.4 kDa (328aa)

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1M urea, 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE,Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence
MGSSHHHHHH SSGLVPRGSH MGSMDMFQKV EKIGEGTYGV VYKAKNRETG QLVALKKIRL DLEMEGVPST AIREISLLKE

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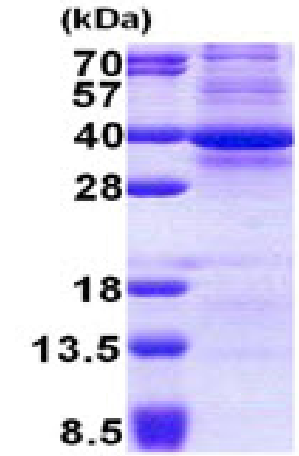
LKHPNIVRLL DVVHNERKLY LVFEFLSQDL KKYMDSTPGS ELPLHLIKSY LFQLLQGVSF CHSHRVIHRD LKPQNLLINE LGAIKLADFG LARAFGVPLR TYTHEVVTLW YRAPEILLGS KFYTTAVDIW SIGCIFAEMV TRKALFPGDS EIDQLFRIFR MLGTPSEDTW PGVTQLPDYK GSFPKWTRKG LEEIVPNLEP EGRDLLMQLL QYDPSQRITA KTALAHPYFS SPEPSPAARQ YVLQRFRH

General References

MacLachlan T K., et al. (1995) Eukaryot Gene Expr. 5:127-156.
Braun K., et al. (1998) Oncogene. 17:2259-2269.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.