Recombinant human CCNI protein

Catalog Number: ATGP2277

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-377aa

UniProt No.
Q14094

NCBI Accession No.
NP_006826

Alternative Names
Cyclin-I, CYC1, CYI

PRODUCT SPECIFICATION

Molecular Weight
44.9 kDa (400aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

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
CCNI belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin shows the highest similarity with cyclin G. The transcript of this gene was found to be expressed constantly during cell cycle progression. The function of this cyclin has not yet been determined. Recombinant human CCNI protein, fused to His-tag at N-terminus, was expressed in E. coli

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Amino acid Sequence

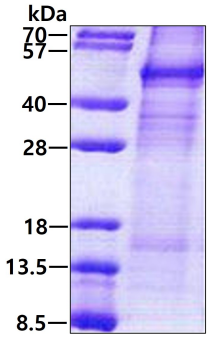
<MGSSHHHHHH SSGLVPRGSH MGS>MKFPGPL ENQRLSFLLE KAITREAQMW KVNVRKMPSN QNVSPSQRDE VIQWLAKLKY QFNLYPETFA LASSLLDRFL ATVKAHPKYL SCIAISCFFL AAKTVEEDER IPVLKVLARD SFCGCSSSEI LRMERIILDK LNWDLHTATP LDFLHIFHAI AVSTRPQLLF SLPKLSPSQH LAVLTKQLLH CMACNQLLQF RGSMLALAMV SLEMEKLIPD WLSLTIELLQ KAQMDSSQLI HCRELVAHHL STLQSSLPLN SVYVYRPLKH TLVTCDKGVF RLHPSSVPGP DFSKDNSKPE VPVRGTAAFY HHLPAASGCK QTSTKRKVEE MEVDDFYDGI KRLYNEDNVS ENVGSVCGTD LSRQEGHASP CPPLQPVSVM

General References

Nakamura T.., et al. (1995). Exp. Cell Res. 221:534-542

DATA

SDS-PAGE



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