

Recombinant human CCNG1 protein

Catalog Number: ATGP1331

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-295aa

UniProt No.

P51959

NCBI Accession No.

NP_954854.1

Alternative Names

Cyclin-G1, CCNG, CYCG1

PRODUCT SPECIFICATION

Molecular Weight

36.2 kDa (315aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 50% glycerol, 0.2M NaCl, 5mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

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

CCNG1, also known as cyclin-G1, is a member of the cyclin family and contains the cyclin box. It may play a role in growth regulation and be associated with G2/M phase arrest in response to DNA damage. It may be an intermediate by which p53 mediates its role as an inhibitor of cellular proliferation. Recombinant human CCNG1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MIEVLTTTDS QKLLHQLNAL LEQESRCQPK VCGLRLIESA HDNGLRMTAR
LRDFEVKDLL SLTQFFGFD TETSLAVNLL DRFLSKMKVQ PKHLGCVGLS CFYLAVKSIE EERNVPLATD LIRISQYRFT
VSDLMRMEKI VLEKVCWKVK ATTAFLQLL YYSLLQENLP LERRNSINFE RLEAQLKACH CRIIFSKAKP SVLALSIAL
EIQAKCVEL TEGIECLQKH SKINGRDLTF WQELVSKCLT EYSSNKCSKP NVQKLKWIVS GRTARQLKHS YYRITHLPTI
PEMVP

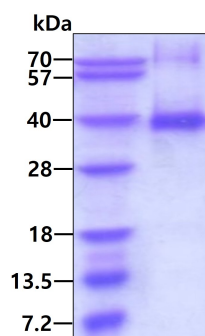
General References

Horne M.C., et al. (1996) J. Biol. Chem. 271:6050-6061

Bates S.A., et al. (1996) Oncogene. 13:1103-1109

DATA

SDS-PAGE



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