

Recombinant Human Cyclin G1, His-tagged

Cat. No. CCNG1-1331H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CCNG1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
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.
Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 5 mM DTT, 50% glycerol, 0.2 M NaCl.
Molecular Weight	36.2 kDa (315 aa) confirmed by MALDI-TOF
Purity	> 85 % by SDS-PAGE
Concentration	0.25 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MIEVLTTTDS QKLLHQLNAL LEQESRCQPK VCGLRLIESA HDNGLRMTAR LRDFEVKDLL SLTQFFGFD TETFS LAVNLL DRFLSKMKVQ PKHLGCVGLS CFYLA VKSIE EERNVPLATD LIRISQYRFT VSDLMRMEKI VLEKVCWKVK ATTA FQFLQL YYSLLQENLP LERRNSINFE

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RLEAQLKACH CRIIFSKAKP SVLALSIIAL EIQAQKCVEL TEGIECLQKH
SKINGRDLTF WQELVSKCLT EYSSNKCSKP NVQKLKWIVS GRTARQLKHS
YYRITHLPTI PEMVP

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.

Pathways

Direct p53 effectors; p53 pathway; p53 signaling pathway

GENE INFORMATION

Gene Name

CCNG1 cyclin G1 [Homo sapiens]

Official Symbol

CCNG1

Synonyms

CCNG1; cyclin G1; CCNG; OTTHUMP00000223693; OTTHUMP00000223697;
OTTHUMP00000223691; OTTHUMP00000223692; OTTHUMP00000223690; cyclin-
G; Cyclin-G; CYCG1

Gene ID

900

mRNA Refseq

NM_004060

Protein Refseq

NP_004051

MIM

601578

UniProt ID

P51959

**Chromosome
Location**

5q32-q34

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Function

Protein domain specific binding

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