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 SLTQFFGFDT ETFSLAVNLL DRFLSKMKVQ PKHLGCVGLS CFYLAVKSIE EERNVPLATD LIRISQYRFT VSDLMRMEKI VLEKVCWKVK ATTAFQFLQL 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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