

Recombinant Human CCNG1, His-tagged

Cat. No. CCNG1-26094TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Cyclin G with an N-terminal His tag. 315 amino acids with a predicted MWt34 kDa including the tag
Species	Human
Source	E.coli
ProteinLength	295 amino acids
Description	The eukaryotic cell cycle is governed by cyclin-dependent protein kinases (CDKs) whose activities are regulated by cyclins and CDK inhibitors. The protein encoded by this gene is a member of the cyclin family and contains the cyclin box. The encoded protein lacks the protein destabilizing (PEST) sequence that is present in other family members. Transcriptional activation of this gene can be induced by tumor protein p53. Two transcript variants encoding the same protein have been identified for this gene.
Conjugation	HIS
Molecular Weight	36.200kDa inclusive of tags
Tissue specificity	High levels in skeletal muscle, ovary, kidney and colon.
Form	Liquid

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Purity	by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 1.17% Sodium chloride, 0.08% DTT, 50% Glycerol, 0.32% Tris HCl
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMIEVLTTTDSQKLLHQLNAL LEQESRCQPKVCGLR LIESAHDNGLRMTARLRD FEVKDLL SLTQFFGFD TETFS LAVNLLDRFLSKMKVQPK HLGCVGLS CFYLAVKSIEEERNVPLATDLIRISQYRFTVSDLMRMEKI VLEKVCWKV KATTAFLQLLYSLLQENLPLERRNSINFE RLEAQLKACHCRIIFSKAKPSVLALSIIA LEIQAQKCVEL TEGIECLQKHSKINGRDLTFWQELVSKCLTEYSSNKCSKP NVQKLK WIVSGRTARQLKHSYYRITHLPTIPEMVP
Sequence Similarities	Belongs to the cyclin family. Cyclin G subfamily.

GENE INFORMATION

Gene Name	CCNG1 cyclin G1 [Homo sapiens]
Official Symbol	CCNG1
Synonyms	CCNG1; cyclin G1; CCNG; cyclin-G1;
Gene ID	900
mRNA Refseq	NM_004060
Protein Refseq	NP_004051

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MIM	601578
Uniprot ID	P51959
Chromosome Location	5q32-q34
Pathway	Direct p53 effectors, organism-specific biosystem; p53 pathway, organism-specific biosystem; p53 signaling pathway, organism-specific biosystem; p53 signaling pathway, conserved biosystem;
Function	protein domain specific binding;

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