

# Recombinant Full Length Human CCNG1 Protein, GST-tagged

**Cat. No.** CCNG1-2974HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CCNG1 full-length ORF (NP_004051.1, 1 a.a. - 295 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 295 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | 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. [provided by RefSeq, Jul 2008] |
| <b>Molecular Mass</b>   | 60.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MIEVLTTTDSQKLLHQLNALLEQESRCQPKVCGLRLIESAHDNGLRMTARLRDFEVK<br>DLLSLTQFFGFDTEFSLAVNLLDRFLSKMKVQPKHLGCVGLSCFYLAVKSIEEERNV<br>PLATDLIRISQYRFTVSDLMRMEKIVLEKVCWKVKATTAFAQFLQLYYSLQENLPLER<br>RNSINFERLEAQLKACHCRIIFSKAKPSVLALSIALEIQAQKCVELTEGIECLQKHSKIN<br>GRDLTFWQELVSKCLTEYSSNKCSKPNVQKLKWIVSGRTARQLKHSYYRITHLPTIP<br>EMVP                                                                                                                                                                                                                                    |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-----------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                          |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                          |

## GENE INFORMATION

|                        |                                              |
|------------------------|----------------------------------------------|
| <b>Gene Name</b>       | CCNG1 cyclin G1 [ Homo sapiens ]             |
| <b>Official Symbol</b> | CCNG1                                        |
| <b>Synonyms</b>        | CCNG1; cyclin G1; CCNG; cyclin-G1; cyclin-G; |
| <b>Gene ID</b>         | 900                                          |
| <b>mRNA Refseq</b>     | NM_004060                                    |
| <b>Protein Refseq</b>  | NP_004051                                    |
| <b>MIM</b>             | 601578                                       |
| <b>UniProt ID</b>      | P51959                                       |

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