

## Recombinant Human CCNH Protein, GST-Tagged

**Cat. No.** CCNH-0672H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Overview</b> | Human CCNH full-length ORF (NP_001230.1, 1 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | <p>The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with CDK7 kinase and ring finger protein MAT1. The kinase complex is able to phosphorylate CDK2 and CDC2 kinases, thus functions as a CDK-activating kinase (CAK). This cyclin and its kinase partner are components of TFIIF, as well as RNA polymerase II protein complexes. They participate in two different transcriptional regulation processes, suggesting an important link between basal transcription control and the cell cycle machinery. A pseudogene of this gene is found on chromosome 4. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Nov 2010]</p> |
| <b>Molecular Mass</b>   | 64 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MYHNSSQKRHWTFSSSEQLARLRADANRKFRCKAVANGKVLPNPVPFLEPHEEMT<br>LCKYYEKRLLFECSVFKPAMPRSVGTACMYFKRFLNNSVMEYHPRIIMLTCAFLA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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CKVDEFNVSSPQFVGNLRESPLGQEKALEQILEYELLLIQQLNFLHIVHNPYRPFEGF  
LIDLKTRYPILENPEILRKTADDFLNRIALTDAYLLYTPSQIALTAILSSASRAGITMESYL  
SESLMLKENRTCLSQLLDIMKSMRNLVKKYEPPEEVAVLKQKLERCHSAELALNV  
ITKKRKGYYEDDDYVSKKSKHEEEEWTDDDLVESL

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** CCNH cyclin H [ Homo sapiens ]

**Official Symbol** CCNH

**Synonyms** CCNH; cyclin H; cyclin-H; CAK complex subunit; CDK activating kinase complex subunit; cyclin dependent kinase activating kinase complex subunit; MO15 associated protein; p34; p37; MO15-associated protein; CDK-activating kinase complex subunit; cyclin-dependent kinase-activating kinase complex subunit; CAK;

**Gene ID** 902

**mRNA Refseq** NM\_001199189

**Protein Refseq** NP\_001186118

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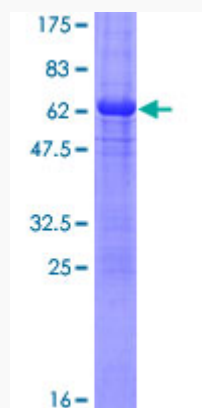
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MIM 601953

UniProt ID P51946

Quality Control  
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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