

## Recombinant Human CCNB1 Protein, GST-Tagged

**Cat. No.** CCNB1-0650H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CCNB1 full-length ORF (NP_114172.1, 1 a.a. - 433 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 is a regulatory protein involved in mitosis. The gene product complexes with p34(cdc2) to form the maturation-promoting factor (MPF). Two alternative transcripts have been found, a constitutively expressed transcript and a cell cycle-regulated transcript, that is expressed predominantly during G2/M phase. The different transcripts result from the use of alternate transcription initiation sites. [provided by RefSeq, Jul 2008]</p>             |
| <b>Molecular Mass</b>   | 74.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | <p>MALRVTRNSKINAENKAKINMAGAKRVPTAPAATSKPGLRPRTALGDIGNKVSEQLQ<br/> AKMPMKKEAKPSATGKVIDKKLPKPLEKVPMLVPVPVSEPVPEPEPEPEPEPVKEEK<br/> LSPEPILVDTASPSMETSGCAPAEEDLCQAFSDVILAVNDVDAEDGADPNLCSEYV<br/> KDIYAYLRQLEEEQAVRPKYLLGREVTGNMRAILIDWLQVQVMKFRLQETMYMTVS<br/> IIDRFMQNNCVPKKMLQLVGVTAMFIASKYEEMYPPEIGDFAFVTDNTYTKHQIRQM<br/> EMKILRALNFGLGRPLPLHFLRRASKIGEVDVEQHTLAKYLMELTMLDYDMVHFPPS<br/> QIAAGAFCLALKILDNGEWTPTLQHYLSYTEESLLPVMQHLAKNVVMVNQGLTKHMT<br/> VKNKYATSKHAKISTLPQLNSALVQDLAKAVAKV</p> |

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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

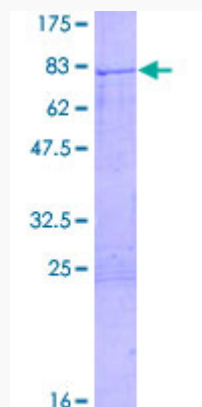
|                        |                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CCNB1 cyclin B1 [ Homo sapiens ]                                                                                     |
| <b>Official Symbol</b> | CCNB1                                                                                                                |
| <b>Synonyms</b>        | CCNB1; cyclin B1; CCNB; G2/mitotic-specific cyclin-B1; G2/mitotic specific cyclin B1; G2/mitotic-specific cyclin B1; |
| <b>Gene ID</b>         | 891                                                                                                                  |
| <b>mRNA Refseq</b>     | NM_031966                                                                                                            |
| <b>Protein Refseq</b>  | NP_114172                                                                                                            |
| <b>MIM</b>             | 123836                                                                                                               |
| <b>UniProt ID</b>      | P14635                                                                                                               |

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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