

Recombinant Human Cyclin B1, His-tagged

Cat. No. CCNB1-1529H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CCNB1 (aa. 1-433) produced in <i>E.coli</i> is a 49.3 kDa protein. It was fused to His-Tag at N-Terminus.
Species	Human
Source	E.coli
Description	Cyclin B1 is a regulatory protein involved in mitosis. It 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.
Purity	95%.
Preparation	0.05mg/0.17 ml.
Tested Application	E, WB, MS.
Buffer	10 mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% NaN ₃ , 10mM DTT.
Species Reactivity	n/aH.
Storage	Store at -70°C with any protein, exposing CCNB1 recombinant protein to repeated freeze/thaw cycles is not recommended. When working with proteins care should be

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taken to keep recombinant protein at a cool and stable temperature.

Pathways

Cell cycle; Progesterone-mediated oocyte maturation; p53 signaling pathway; Cell Cycle Checkpoints; Cell Cycle, Mitotic

GENE INFORMATION

Gene Name CCNB1 cyclin B1 [Homo sapiens]

Synonyms cyclin B1; CCNB; CCNB1; G2/mitotic-specific cyclin B1

Gene ID 891

mRNA Refseq NM_031966

Protein Refseq NP_114172

UniProt ID P14635

MIM 123836

Chromosome Location 5q12

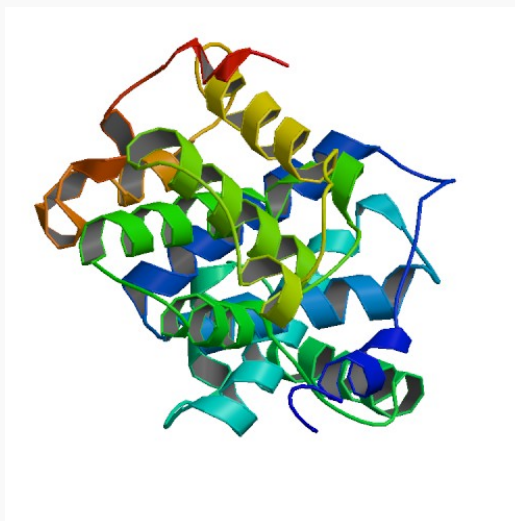
Function protein binding

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PDB rendering based
on 2b9r.



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