

## Recombinant Human Cyclin B2, His-tagged

**Cat. No.** CCNB2-6835H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CCNB2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-398aa
<b>Description</b>	CCNB2 belongs to the cyclin family. CCNB2 is essential for the control of the cell cycle at the G2/M (mitosis) transition. It interacts with the CDK1 protein kinase to form a serine/threonine kinase holoenzyme complex also known as maturation promoting factor (MPF).
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 50% glycerol, 0.2M NaCl, 5mM DTT.
<b>Molecular Mass</b>	47.9 kDa (422aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	<p>MGSSHHHHHH SSGLVPRGSH MGSHMALLRR PTVSSDLENI DTGVNSKVKS  HVTIRRTVLE EIGNRVTTTRA AQVAKKAQNT KVPVQPTKTT NVNKQLKPTA  SVKPVQMEKL APKGPSPTPE DVSMKEENLC QAFSDALLCK IEDIDNEDWE  NPQLCSDYVK DIYQYLRQLE VLQSINPHFL DGRDINGRMR AILVDWLQVQV  HSKFRLQET LYMCVGIMDR FLQVQPVSrk KLQLVGITAL LLASKYEEMF  SPNIEDFYI TDNAYTSSQI REMETLILKE LKFELGRPLP LHFLRRASKA  GEVDVEQHTL AKYLMELTLI DYDMVHYHPS KVAAAASCLS QKVLGQGKWN</p>

 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

LKQQYYTGYT ENEVLEVMQH MAKNVVKVNE NLTKFIAIKN KYASSKLLKI  
SMIPQLNSKA VKDLASPLIG RS

**Purity** >90% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.25 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [CCNB2 cyclin B2 \[ Homo sapiens \]](#)

**Official Symbol** CCNB2

**Synonyms** CCNB2; cyclin B2; G2/mitotic-specific cyclin-B2; HsT17299;

**Gene ID** [9133](#)

**mRNA Refseq** [NM\\_004701](#)

**Protein Refseq** [NP\\_004692](#)

**MIM** [602755](#)

**UniProt ID** [O95067](#)

**Chromosome Location** 15q21.3

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**Pathway**

Cell Cycle, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Cyclin A/B1 associated events during G2/M transition, organism-specific biosystem;

**Function**

protein kinase binding;

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