

Recombinant Human Cyclin B2, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human CCNB2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
ProteinLength	1-398aa
Description	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).
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 50% glycerol, 0.2M NaCl, 5mM DTT.
Molecular Mass	47.9 kDa (422aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMMALLRR PTVSSDLENI DTGVNSKVKS HVTIRRTVLE EIGNRVTTTRA AQVAKKAQNT KVPVQPTKTT NVNKQLKPTA SVKPVQMEKL APKGPSPTPE DVSMKEENLC QAFSDALLCK IEDIDNEDWE NPQLCSDYVK DIYQYLRQLE VLQSINPHFL DGRDINGRMR AILVDWLQVQV HSKFRLLQET LYMCVGIMDR FLQVQPVSRK KLQLVGITAL LLASKYEEMF SPNIEDFVYI TDNAYTSSQI REMETLILKE LKFELGRPLP LHFLRRASKA GEVDVEQHTL AKYLMELTLI DYDMVHYHPS KVAAAASCLS QKVLGQGKWN

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	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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