

Recombinant Human CCNB2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CCNB2-882H Lot. No. (See product label)

SPECIFICATION

Product Overview

CCNB2 MS Standard C13 and N15-labeled recombinant protein (NP_004692) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

Cyclin B2 is a member of the cyclin family, specifically the B-type cyclins. The B-type cyclins, B1 and B2, associate with p34cdc2 and are essential components of the cell cycle regulatory machinery. B1 and B2 differ in their subcellular localization. Cyclin B1 co-localizes with microtubules, whereas cyclin B2 is primarily associated with the Golgi region. Cyclin B2 also binds to transforming growth factor beta RII and thus cyclin B2/cdc2 may play a key role in transforming growth factor beta-mediated cell cycle control.

Molecular Mass

45.3 kDa

AA Sequence

MALLRRPTVSSDLENIDTGVNSKVKSHVTIRRTVLEEIGNRVTTTRAAQVAKKAQNTKV
 PVQPTKTTNVNKQLKPTASVKPVQMEKLAPKGPSPTPEDVSMKEENLCQAFSDALL
 CKIEDIDNEDWENPQLCSDYVKDIYQYLRQLEVLQSINPHFLDGRDINGRMRAILVD
 WLQVHSHKFRLLQETLYMCGIMDRFLQVQPVSRRKKLQLVGITALLLASKYEEMFSP
 NIEDFVYITDNAYTSSQIREMETLILKELKFEGRPLPLHFLRRASKAGEVDVEQHTLA
 KYLMELTLIDYDMVHYHPSKVAAAASCLSQKVLGQGKWNLKQYYTGYTENEVLEV

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MQHMAKNVVKVNENLTKFIAIKNKYASSKLLKISMIPQLNSKAVKDLASPLIGRSTRTR
PLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CCNB2 cyclin B2 [Homo sapiens (human)]

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

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