

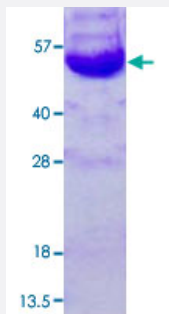
Full-Length

CCNB2 (Human) Recombinant Protein

Catalog # P5843

Size 50 ug

Applications



Specification

Product Description

Human CCNB2 (NP_004692, 1 a.a. - 398 a.a.) full-length recombinant protein with His tag expressed in *Escherichia coli*.

Sequence

MGSSHHHHHHSSGLVPRGSHMGSHMALLRRPTVSSDLENIDTGVNSKVKSHVTIRRTVLEEIGNR
VTTRAAQVAKKAQNTKVPVQPTKTTNVNKQLKPTASVKPVQMEKLAPKGPSTPEDVSMKEEN
LCQAFSDALLCKIEDIDNEDWENPQLCSDYVKDIYQYLRQLEVLQSINPHFLDGRDINGRMRAILVD
WLVQVHSKFRLLQETLYMCVGIMDRFLQVQPVSRKKLQLVGITALLASKYEEMFSPNIEDFVYTD
NAYTSSQIREMETLILKELKFELGRPLPLHFLRRASKAGEVDVEQHTLAKYLMELTLIDYDMVHYHP
SKVAAAASCLSQKVLGQGWNLKQQYYTGYTENEVLEVMQHMAKNVVKVNENLTKFIAIKNKYAS
SKLLKISMIPQLNSKAVKDLASPLIGRS

Host

Escherichia coli

Theoretical MW (kDa)

47.9

Form

Liquid

Preparation Method

Escherichia coli expression system

Purity

> 90% by SDS - PAGE

Quality Control Testing

3 ug/lane in 15% SDS-PAGE Stained with Coomassie Blue. Due to the protein nature, dimmers and multimers may be observed.

Storage Buffer

In 20 mM Tris-HCl buffer, 0.2 M NaCl, pH 8.0 (50% glycerol, 5 mM DTT).

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — CCNB2

Entrez GeneID[9133](#)**Gene Name**

CCNB2

Gene Alias

HsT17299

Gene Description

cyclin B2

Omim ID[602755](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

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Pathway

- [Cell cycle](#)
- [p53 signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)

- [Ovarian Neoplasms](#)