

Product datasheet for **TP311260M**

Cyclin B2 (CCNB2) (NM_004701) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human cyclin B2 (CCNB2), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone >RC211260 protein sequence

or AA Sequence: **Red**=Cloning site **Green**=Tags(s)

MALLRRPTVSSDLENIDTGVNSKVKSHVTIRRTVLEEIGNRVTTTRAAQVAKKAQNTKVPVQPTKTTNVNK
QLKPTASVKPVQMEKLAPKGPSPTPEDVSMKEENLCQAFSDALLCKIEDIDNEDWENPQLCSDYVKDIYQ
YLRQLEVLQSINPHFLDGRDINGRMRAILVDWLQVHVKFRLLQETLYMCGIMDRFLQVQPVSRKKLQL
VGITALLASKYEEMFSPNIEDFYITDNAYTSSQIREMETLILKELKFEGRPLPLHFLRRASKAGEVD
VEQHTLAKYLMELTLIDYDMVHYHPSKVAAAASCLSQKVLGQGKWNLKQYYTGYTENEVLEVMQHMAKN
VVKVNNLTKFIAIKNKYASSKLLKISMIPQLNSKAVKDLASPLIGRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 45.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_004692](#)

Locus ID: 9133



[View online »](#)

UniProt ID: [Q95067](#)

RefSeq Size: 1566

Cytogenetics: 15q22.2

RefSeq ORF: 1194

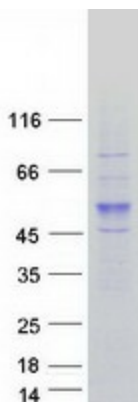
Synonyms: HsT17299

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, Jul 2008]

Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Cell cycle, Oocyte meiosis, p53 signaling pathway, Progesterone-mediated oocyte maturation

Product images:



Coomassie blue staining of purified CCNB2 protein (Cat# [TP311260]). The protein was produced from HEK293T cells transfected with CCNB2 cDNA clone (Cat# [RC211260]) using MegaTran 2.0 (Cat# [TT210002]).