

Product datasheet for PH311260

Cyclin B2 (CCNB2) (NM_004701) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CCNB2 MS Standard C13 and N15-labeled recombinant protein (NP_004692)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211260
Predicted MW:	45.3 kDa
Protein Sequence:	>RC211260 protein sequence Red=Cloning site Green=Tags(s) MALLRRPTVSSDLENIDTGVNSKVKSHVTIRRTVLEEIGNRVTTTRAAQVAKKAQNTKVPVQPTKTTNVNK QLKPTASVKPVQMEKLAPKGPSPTPEDVSMKEENLCQAFSDALLCKIEDIDNEDWENPQLCSDYVKDIYQ YLRQLEVLQSINPHFLDGRDINGRMRAILVDWL VQVHSKFRLQETLYMCGIMDRFLQVQPVSRKKLQL VGITALLLASKYEEMFSPNIEDFVYITDNAYTSSQIREMETLILKELKFELGRPLPHFLRRASKAGEVD VEQHTLAKYLMELTLIDYDMVHYHPSKVAASCLSQKVLGQGWNLKQQYYTGYTENEVLEVMQHMKN VVKVNE NLTKFIAIKNKYASSKLLKISMIPQLNSKAVKDLASPLIGRS TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004692
RefSeq Size:	1566
RefSeq ORF:	1194
Synonyms:	HsT17299
Locus ID:	9133



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UniProt ID: [O95067](#)

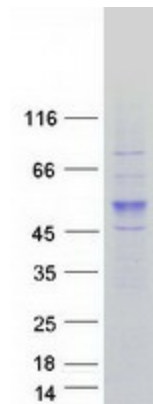
Cytogenetics: 15q22.2

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]).