

## Product datasheet for **AR50407PU-N**

### Cyclin B2 (1-398, His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Cyclin B2 (1-398, His-tag) human recombinant protein, 0.25 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGS HMALLRR PTVSSDLENI DTGVNSKVKS HVTIRRTVLE EIGNRVTTTRA AQVAKKAQNT KVPVQPTKTT NVNKQLKPTA SVKPVQMEKL APKGPSPTPE DVSMKEENLC QAFSDALLCK IEDIDNEDWE NPQLCSDYVK DIYQYLRQLE VLQSINPHFL DGRDINGRMR AILVDWLQV HSKFRLQET LYMCVGIMDR FLQVQVSRK KLQLVGITAL LLASKYEEMF SPNIEDFVYI TDNAYTSSQI REMETLILKE LKFELGRPLP LHFLRRASKA GEVDVEQHTL AKYLMELTLI DYDMVHYHPS KVAAAASCLS QKVLGQGKWN LKQYYTGYT ENEVLEVMQH MAKNVVKVNE NLTKFIAIKN KYASSKLLKI SMIPQLNSKA VKDLASPLIG RS
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	47.9 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 50% glycerol, 0.2M NaCl, 5 mM DTT
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human CCNB2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_004692</a>
<b>Locus ID:</b>	9133
<b>UniProt ID:</b>	<a href="#">O95067</a>
<b>Cytogenetics:</b>	15q22.2



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**Synonyms:** Cyclin-B2, CCNB2

**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:**

