

AR50436PU-N

Human Cyclin B1 (1-433, His-tag) - Purified

Alternate names:

CCNB, CCNB1, Cyclin-B1, G2/mitotic-specific cyclin-B1

Quantity:

0.1 mg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

CCNB1, also known as cyclin B1, is a regulatory protein involved in mitosis. This protein complexes with p34(cdc2) to form the maturation-promoting factor (MPF). Two alternative transcripts have been found, a constitutively expressed transcript and a cell cycle-regulated transcript that is expressed predominantly during G2/M phase. The different transcripts result from the use of alternate transcription initiation sites.

Uniprot ID:

[P14635](#)

NCBI:

[NP_114172](#)

GeneID:

[891](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >80% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

Description:

Recombinant human CCNB1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMLALRVT RNSKINAENK AKINMAGAKR VPTAPAATSK
PGLRPRALG DIGNKVSEQL QAKMPMKKEA KPSATGKVID KKLPKPLEKV PMLVPVPVSE
PVPEPEPEPE PEPVKEEKL PEPILVDTAS PSMETSGCA PAEEDLCQAF SDVILAVNDV
DAEDGADPNL CSEYVKDIYA YLRQLEEEQA VRPKYLLGRE VTGNMRAILI DWLVQVQMKF
RLLQETMYMT VSIIDRFMQN NCVPKKMLQL VGVAMFIAS KYEEMYPPEI GDAFAVTDNT
YTKHQIRQME MKILRALNFG LGRPLPLHFL RRASKIGEVD VEQHTLAKYL MELTMLDYDM
VHFPPSQIAA GAFCLALKIL DNGEWTPTLQ HYLSYTEESL LPVMQHLAKN VVMVNQGLTK
HMTVKNKYAT SKHAKISTLP QLNSALVQDL AKAVAKV

Molecular weight: 50.9 kDa (457aa)

Storage:

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.
Shelf life: one year from despatch.

General Readings:

Antinore M J., et al. (1999). Oncogene 18 (18):2892-900

Pictures:

