Recombinant human Cyclin B1 protein

Catalog Number: ATGP1612

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-433aa

UniProt No.
P14635

NCBI Accession No.
NP_114172.1

Alternative Names
Cyclin B1, CCNB

PRODUCT SPECIFICATION

Molecular Weight
50.9 kDa (457aa)

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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Amino acid Sequence

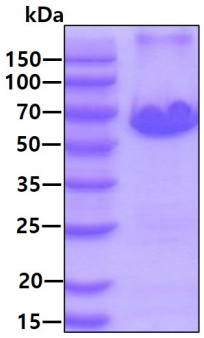
<MGSSHHHHHH SSGLVPRGSH MGSH>MALRVT RNSKINAENK AKINMAGAKR VPTAPAATSK PGLRPRTALG DIGNKVSEQL QAKMPMKKEA KPSATGKVID KKLPKPLEKV PMLVPVPVSE PVPEPEPEPE PEPVKEEKLS PEPILVDTAS PSPMETSGCA PAEEDLCQAF SDVILAVNDV DAEDGADPNL CSEYVKDIYA YLRQLEEEQA VRPKYLLGRE VTGNMRAILI DWLVQVQMKF RLLQETMYMT VSIIDRFMQN NCVPKKMLQL VGVTAMFIAS KYEEMYPPEI GDFAFVTDNT YTKHQIRQME MKILRALNFG LGRPLPLHFL RRASKIGEVD VEQHTLAKYL MELTMLDYDM VHFPPSQIAA GAFCLALKIL DNGEWTPTLQ HYLSYTEESL LPVMQHLAKN VVMVNQGLTK HMTVKNKYAT SKHAKISTLP QLNSALVQDL AKAVAKV

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.