

Datasheet for ABIN3090976

Cyclin B3 Protein (CCNB3) (AA 1-1395) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	1 mg
Target:	Cyclin B3 (CCNB3)
Protein Characteristics:	AA 1-1395
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cyclin B3 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:	MLLPLPPQSS KPVPKKSQSS KIVPSHHGPS EKTGENCQTK ISPSSLQESP SSLQGALKKR SAFEDLTNAS QCQPVPQPKKE ANKEFVKVVS KINRNTAL GLAKKNRNL KWHKLEVPV VASTTVVNI MEKPLILDIS TTSKTPNTEE ASLFRKPLVL KEEPTIEDT LINKSLSLKK CSNHEEVSL EKLQPLQEE DSDDAFVIEP MTFKKTHKTE EAAITKKTLS LKKKMCASQR KQSCQEE SLA VQDVNMEEDS FFMESMSFKK KPKTEESIPT HKLSSLKKK TIYKICHFR KPPVLQTTIC GAMSSIKKPT TEKELFQEL SVLQEKHTE HEMSILKKSL ALQKTNFKED SLVKESLAFK KKPSTEEAIM MPVILKEQCM TEGKRSRLKP LVLQEITSGE KSLIMKPLSI KEKPSTEKES FSQEPSALQK KHTTQEEVSI LKEPSSLLKS PTEESPFDEA LAFTKKCTIE EAPPTKKPLI LKRKHATQGT MSHLKKPLIL QTTSGEKSLI KEPLPFKEEK VSLKKKCTTQ EMMSICPELL DFQDMIGEDK NSFFMEPMSF RKNPTTEETV LTKTSLSLQE KKITQGKMSH LKKPLVLQKI TSEESFYKK LLPFKMKSTT EEKFLSQEPS ALKEKHTTLQ EVSLSKESLA IQEKATTEEE FSQELFSLHV KHTNKSGLF QEALVLQEK DAEEDSLKNL LALQEKSTME
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EESLINKLLA LKEELSAEAA TNIQTQLSLK KKSTSHGKVF FLKKQLALNE TINEEEFLNK
QPLALEGYPS IAEGETLFKK LLAMQEEPSI EKEAVLKEPT IDTEAHFKEP LALQEEPSTE
KEAVLKEPSV DTEAHFKETL ALQEKPSIEQ EALFKRHSAL WEKPSTKET IFKESLDLQE
KPSIKKETLL KKPLALKMST INEAVLFEDM IALNEKPTTG KELSFKLEPLA LQESPTYKED
TFLKTLLVPQ VGTSPNVSS APESITSKSS IATMTSVGKS GTINEAFLFE DMITLNEKPT
TGKELSFKEP LALQESPTCK EDTFLETFLI PQIGTSPYVF STTPESITEK SSIATMTSVG
KSRTTTESSA CESASDKPVS PQAKGTPKEI TPREDIDEDS SDPSFNPMYA KEIFSYMKER
EEQFILTDM NRQIEITSDM RAILVDWLVE VQVSFEMTHE TLYLAVKLVD LYLMKAVCKK
DKLQLLGATA FMIAAKFEEH NSPRVDDFVY ICDDNYQRSE VLSMEINILN VLKCDINIPI
AYHFLRRYAR CIHTNMKTLT LSRVICEMTL QEYHYVQEKA SKLAAASLLL ALYMKKLGYW
VPFLEHYSY SISELHPLVR QLNKLLTFSS YDSLKAVYYK YSHPVFFEVA KIPALDMLKL
EEILNCDCEA QGLVL

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Human CCNB3 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made to order protein and will be made for the first time for your order. Our experts in the lab will ensure that you receive a correctly folded protein.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.

Product Details

Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: <ol style="list-style-type: none">1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	Cyclin B3 (CCNB3)
Alternative Name:	CCNB3 (CCNB3 Products)
Background:	Cyclins are positive regulatory subunits of the cyclin-dependent kinases (CDKs), and thereby play an essential role in the control of the cell cycle, notably via their destruction during cell division. Its tissue specificity suggest that it may be required during early meiotic prophase I. {ECO:0000269 PubMed:12185076}.
Molecular Weight:	158.9 kDa Including tag.
UniProt:	Q8WWL7
Pathways:	Cell Division Cycle , Chromatin Binding

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Comment:	In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process