

Datasheet for ABIN7563638  
**CDCA2 Protein (AA 1-982) (His tag)**



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## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 1 mg   |
| Target:                       | CDCA2  |
| Protein Characteristics:      | AA 1-982                                     |
| Origin:                       | Mouse  |
| Source:                       | HEK-293 Cells                                |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This CDCA2 protein is labelled with His tag. |

## Product Details

|           |   |
|-----------|---|
| Purpose:  | Custom-made recombinant Cdca2 Protein expressed in mammalian cells.   |
| Sequence: | MDASSHDKPL SESKECVLNN SENDVRLGT EPFVTPQKHV ADATPNLCTP DTFKSPLDFT<br>TVTVEQLGIT PESFVKTSSTG KSTSSLQKAR RRSTVGVRGS PETNCLIRFI AQRNLKKAV<br>LSPLAREPHF EGSPLRYRNA SVLRERMSAF RSAFHSIQET KMASSPSAAE ADGESRISDL<br>TRKEDLLEYQ QSGFPVNSSS KRRRISSQDS PDNYLSGTKA LADEACAGGA STDLAEKSPD<br>IGSAQPGCMA APLPELRETS QGLAVTDCVE GPVTPLSSGT ATATRSPETP MCGSSSPSAK<br>TTATRSPATP VCGSSTPSAK TFLRSLVKK PGKLFSENGK ESNLCDDGAH LISYPSNSCK<br>EGRAGRENCK TPGCLNPRKR KRVTFGEDLS PEVFDESIPA NTPLCKGGTP VRPRTVKTTT<br>PLQSPVHEQF LQPNFDDKEE NLENIEPPQG SFANLSLSKS SLSETPPGTN TCSSLNKDEE<br>IICSIVRPTR TSQRRKQTLS STGVCSSYTT QAEPRKEKMS RRSREKKHT SAALPKKKQV<br>LKSyrKKKKG KKDVEKCFYG PRDIASKKPL LSPIELPEV SEATPLADCT QGTSSDDFNK<br>CGQLEEVSF EIPTQRKRRL PQKADSPELD PAHHQSQVSD KCCYLLPLTT ASERGPNAST<br>RDTGSEGNTR AESKCQSAKE PKPGTKMESG LVPRASVTQD HIVSKNPKPL GSPQSQDLFK |

## Product Details

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AGQNLNCPCE ILIVSESMNL KCEKESECLA PQGSLQGSPV STDSKRDLNC SEDVLIQNIK  
EPASHSENVG RKCAGNGSPG SGRERKWRRR TVCCGGQSSY LEQNGNPASS CSGENFVEIS  
LESVQLIEEL SNTIEQSFQR TSSKTKVRRS TRLQRDLENT GLVWLSPPSPS TLQKPRRRMT  
ICTLDSRGFE CPSSKEETIS SGQNPGLPA VSGSESQGVG SSALPRKRRS LCGSTLTDAN  
SATQPPDCKR KPSLKGESQAQ LP **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

**Characteristics:** **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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 try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

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**Target:** CDCA2

**Alternative Name:** Cdca2 ([CDCA2 Products](#))

**Background:** Cell division cycle-associated protein 2,FUNCTION: Regulator of chromosome structure during mitosis required for condensin-depleted chromosomes to retain their compact architecture through anaphase. Acts by mediating the recruitment of phosphatase PP1-gamma subunit (PPP1CC) to chromatin at anaphase and into the following interphase. At anaphase onset, its

## Target Details

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association with chromatin targets a pool of PPP1CC to dephosphorylate substrates (By similarity). {ECO:0000250}.

Molecular Weight: 106.4 kDa

UniProt: [Q14B71](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition 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: 12 months