

Datasheet for ABIN7553112
CDCA2 Protein (AA 1-1023) (His tag)



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Overview

Quantity:	1 mg
Target:	CDCA2
Protein Characteristics:	AA 1-1023
Origin:	Human
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:	MDANSKDKPP ETKESAMNNA GNASFILGTG KIVTPQKHAE LPPNPCTPDT FKSPILNFSTV TVEQLGITPE SFVRNSAGKS SSYLKKCRRR SAVGARGSPE TNHLIRFIAR QQNIKNARKS PLAQDPSQG SPALYRNVNT LRERISAFQS AFHSIKENEK MTGCLEFSEA GKESEMTDLT RKEGLSACQQ SGFPAVLSSK RRRISYQRDS DENLTD AEGK VIGLQIFNID TDRACAVETS VDLSEISSKL GSTQSGFLVE ESLPLSELTE TSNALKVADC VVGKGSSDAV SPDTFTA EVS SDAVPDVRSP ATPACRRDLP TPKTFVLRV LKKPSVKMCL ESLQEHCNNL YDDDGTHPSL ISNLPNCCKE KEAEDEENFE APAFLNMRKR KRVTFGEDLS PEVFDESLPA NTPLRKGGTP VCKKDFSGLS SLLLEQSPVP EPLPQPDFDD KGENLENIEP LQVSFAVLSS PNKSSISETL SGTDTFSSSN NHEKISSPKV GRITRTSNRR NQLVSVVEES VCNLLNTEVQ PCKEKKINRR KSQETKCTKR ALPKKSQVLK SCRKKKGK GK KSVQKSLYGE RDIASKKPLL SPIPELPEVP EMTPSIPSIR RLGSGYFSSN GKLEEVKTPK NPVKRKDLLR HDPDLHMHQG YDKYDVSEFC SYIKSSSSLG NATSDEDPNT NIMNINENKN IPKAKNKSES ENEPKAGTDS PVSCASVTEE

Product Details

RVASDSPKPA LTLQQGQEFSS AGGQNAENLC QFFKISPDNL IKCERKDDFL GAAEGKLQCN
RLMPNSQKDC HCLGDVLIEN TKESKSQSED LGRKPMESSS VVSCRDRKDR RRSMCYSDGR
SLHLEKNGNH TPSSSVGSSV EISLENSLF KDLSDAIEQT FQRRNSETKV RRSTRLQKDL
ENEGLVWISL PLPSTSQKAK RRTICTFDSS GFESMSPIKE TVSSRQKPQM APPVSDPENS
QGPAAGSSDE PGKRRKSFCL STLANTKATS QFKGYRRRSS LNGKGESLTL ALERIEHNGE RKQ

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

Target: CDCA2

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

Background: Cell division cycle-associated protein 2 (Recruits PP1 onto mitotic chromatin at anaphase protein) (Repo-Man),FUNCTION: Regulator of chromosome structure during mitosis required for condensin-depleted chromosomes to retain their compact architecture through anaphase.

Target Details

Acts by mediating the recruitment of phosphatase PP1-gamma subunit (PPP1CC) to chromatin at anaphase and into the following interphase. At anaphase onset, its association with chromatin targets a pool of PPP1CC to dephosphorylate substrates.
{ECO:0000269|PubMed:16492807, ECO:0000269|PubMed:16998479}.

Molecular Weight: 112.7 kDa

UniProt: [Q69YH5](#)

Application Details

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

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