

Datasheet for ABIN7553260

Cyclin A Protein (AA 1-432) (His tag)



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Overview

Quantity:	1 mg
Target:	Cyclin A (CCNA2)
Protein Characteristics:	AA 1-432
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cyclin A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CCNA2 Protein expressed in mammalian cells.
Sequence:	<p>MLGNSAPGPA TREAGSALLA LQQTALQEDQ ENINPEKAAP VQQRTRAAL AVLKSGNPRG LAQQRPKTR RVAPLKDLPV NDEHVTVPW KANSKQPAFT IHVDEAEKEA QKKPAESQKI EREDALAFNS AISLPGPRKP LVPLDYPMDG SFESPHTMDM SIILEDEKPV SVNEVPDYHE DIHTYLREME VKCKPKVGYM KKQPDITNSM RAILVDWLVE VGEEYKLQNE TLHLAVNYID RFLSSMSVLR GKLQLVGTA MLLASKFEEI YPPEVAEFVY ITDDTYTKKQ VLRMEHLVLK VLTFDLAAPT VNQFLTQYFL HQQPANCKVE SLAMFLGELS LIDADPYLKY LPSVIAGAAF HLALYTVTGQ SWPESLIRKT GYTLESLKPC LMDLHQTYLK APQHAQQSIR EKYKNSKYHG VSLNPPETL NL</p> <p>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.</p>
Characteristics:	Key Benefits:

Product Details

- 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, Western Blot

Grade: custom-made

Target Details

Target: Cyclin A (CCNA2)

Alternative Name: CCNA2 ([CCNA2 Products](#))

Background: Cyclin-A2 (Cyclin-A) (Cyclin A),FUNCTION: Cyclin which controls both the G1/S and the G2/M transition phases of the cell cycle. Functions through the formation of specific serine/threonine protein kinase holoenzyme complexes with the cyclin-dependent protein kinases CDK1 or CDK2. The cyclin subunit confers the substrate specificity of these complexes and differentially interacts with and activates CDK1 and CDK2 throughout the cell cycle.
{ECO:0000269|PubMed:1312467}.

Molecular Weight: 48.6 kDa

UniProt: [P20248](#)

Pathways: [PI3K-Akt Signaling](#), [Cell Division Cycle](#), [AMPK Signaling](#), [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [M Phase](#), [Synthesis of DNA](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies

Application Details

as well. 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