

Datasheet for ABIN7553227

CDK2AP2 Protein (AA 1-126) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CDK2AP2
Protein Characteristics:	AA 1-126
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDK2AP2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CDK2AP2 Protein expressed in mammalian cells.
Sequence:	<p>MSYKPIAPAP SSTPGSSTPG PGTPVPTGSV PSPSGSVPGA GAPFRPLFND FGPPSMGYVQ</p> <p>AMKPPGAQGS QSTYTDLLSV IEEMGKEIRP TYAGSKSAME RLKRGIIHAR ALVRECLAET ERNART</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:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • 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).

Product Details

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: CDK2AP2

Alternative Name: CDK2AP2 ([CDK2AP2 Products](#))

Background: Cyclin-dependent kinase 2-associated protein 2 (CDK2-associated protein 2) (DOC-1-related protein) (DOC-1R),FUNCTION: Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed:33283408). Inhibits cell cycle G1/S phase transition by repressing CDK2 expression and activation, represses CDK2 activation by inhibiting its interaction with cyclin E and A (PubMed:23781148). Plays a role in regulating the self-renewal of embryonic stem cells (ESCs) and in maintaining cell survival during terminal differentiation of ESCs (By similarity). Regulates microtubule organization of metaphase II oocytes (By similarity). {ECO:0000250|UniProtKB:Q9CPY4, ECO:0000269|PubMed:23781148, ECO:0000269|PubMed:33283408}.

Molecular Weight: 13.1 kDa

UniProt: [075956](#)

Pathways: [PI3K-Akt Signaling](#), [Cell Division Cycle](#), [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 as well. As the protein has not been tested for functional studies yet we cannot offer a

Application Details

	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