

Datasheet for ABIN7553195  
**CDC14B Protein (AA 1-498) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CDC14B
Protein Characteristics:	AA 1-498
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDC14B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat CDC14B Protein expressed in mammalian cells.
Sequence:	MKRKSERRSS WAAAPPCSRR CSSTSPGVKK IRSSTQQDPR RRDQDDVYL DITDRLCFAI LYSRPKSASN VHYFSIDNEL EYENFYADFG PLNLAMVYRY CCKINKKLKS ITMLRKKIVH FTGSDQRKQA NAAFLVGCYM VIYLGRTPEE AYRILIFGET SYIPFRDAAY GSCNFYITLL DCFHAVKKAM QYGFLNFNSF NLDEYEHYEK AENGLNWII PDRFIAFCGP HSRARLESGY HQHSPETYIQ YFKNHNVTI IRLNKRMYYDA KRFTDAGFDH HDLFFADGST PTDAIVKEFL DICENAEgai AVHCKAGLGR TGTLIACYIM KHYRMtAAET IAWVRICRPG SVIGPQQQFL VMKQTNLWLE GDYFRQKLKG QENQHQHRAAF SKLLSGVDDI SINGVENQDQ QEPEPYSDDD EINGVTQGDR LRALKSRRQS KtNAIPLTVI LQSSVQsCKT SEPNIsgSAG ITKRtTRSAS RKSSVKSLSI SRtKtVLR <b>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.</b>

## Product Details

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

## Target Details

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### Target:

CDC14B

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### Alternative Name:

CDC14B ([CDC14B Products](#))

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### Background:

Dual specificity protein phosphatase CDC14B (EC 3.1.3.16) (EC 3.1.3.48) (CDC14 cell division cycle 14 homolog B),FUNCTION: Dual-specificity phosphatase involved in DNA damage response. Essential regulator of the G2 DNA damage checkpoint: following DNA damage, translocates to the nucleus and dephosphorylates FZR1/CDH1, a key activator of the anaphase promoting complex/cyclosome (APC/C). Dephosphorylates SIRT2 around early anaphase. Dephosphorylation of FZR1/CDH1 activates the APC/C, leading to the ubiquitination of PLK1, preventing entry into mitosis. Preferentially dephosphorylates proteins modified by proline-directed kinases. {ECO:0000269|PubMed:17488717, ECO:0000269|PubMed:18662541, ECO:0000269|PubMed:9367992}.

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### Molecular Weight:

56.8 kDa

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### UniProt:

[O60729](#)

## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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