

Datasheet for ABIN7563084  
**CDC25B Protein (AA 1-576) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CDC25B
Protein Characteristics:	AA 1-576
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDC25B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Cdc25b Protein expressed in mammalian cells.
Sequence:	MEVPLQKSAP GSALSPARVL GGIQRPRHLS VFEFESDGFL GSPEPTASSS PVTTLTQTMH NLAGLGSEPP KAQVGSLSFQ NRLADLSLSR RTSECSLSSE SSESSDAGLC MDSPSPVDPQ MAERTFEQAI QAASRVIQNE QFTIKRFRSL PVRLLHSPV LQSITNSRAL DSWRKTEAGY RAAANSPGED KENDGYIFKM PQELPHSSSA QALAEWVSRR QAFTQRPSSA PDLMCLTTEW KMEVEELSPV AQSSSLTPVE RASEEDDGFV DILESDLKDD EKVPAGMENL ISAPLVKKLD KEEEQDLIMF SKCQRLFRSP SMPCSVIRPI LKRLERPQDR DVPVQSKRRK SVTPLEEQQL EEPKARVFRS KSLCHEIENI LSDHRLGIG DYKAFLLQT VDGKHQDLKY ISPETMVALL TGKFSNIVEK FVIVDCRYPY EYEGGHIKNA VNLPLERDAE TFLLQRPIMP CSLDKRIILI FHCFESSERG PRMCRFIRER DRAANDYPSL YPEMYILKG GYKEFFPQHP NFCEPQDYRP MNHEAFRDEL RNFRLKTRSW AGERSRRELC SRLQDQ <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity</b>

**of the protein could make another tag necessary. In case you have a special request, please contact us.**

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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

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## Target Details

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Target:

CDC25B

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Alternative Name:

Cdc25b ([CDC25B Products](#))

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Background:

M-phase inducer phosphatase 2 (EC 3.1.3.48) (Dual specificity phosphatase Cdc25B),FUNCTION: Tyrosine protein phosphatase which functions as a dosage-dependent inducer of mitotic progression. Directly dephosphorylates CDK1 and stimulates its kinase activity. Required for G2/M phases of the cell cycle progression and abscission during cytokinesis in a ECT2-dependent manner. The three isoforms seem to have a different level of activity. {ECO:0000250|UniProtKB:P30305}.

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Molecular Weight:

65.5 kDa

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UniProt:

[P30306](#)

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Pathways:

[Cell Division Cycle, M Phase, Autophagy](#)

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## 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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