

Datasheet for ABIN7549456  
**CDC25B Protein (AA 1-580) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CDC25B
Protein Characteristics:	AA 1-580
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDC25B protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant CDC25B Protein expressed in mammalian cells.
Sequence:	<p>MEVPQPEPAP GSALSPAGVC GGAQRPGHLP GLLLGSHGLL GSPVRAAASS PVTTLTQTMH</p> <p>DLAGLGSETP KSQVGTLLFR SRSRLTHLSL SRRASESSL SSESSESDAG LCMDSPSPMD</p> <p>PHMAEQTFEQ AIQAASRIIR NEQFAIRRFQ SMPVRLLGHS PVLRNITNSQ APDGRRKSEA</p> <p>GSGAASSSGE DKENDGFVFK MPWKPTHPS THALAEWASR REAFAQRPSS APDLMCLSPD</p> <p>RKMEVEELSP LALGRFSLTP AEGDTEEDDG FVDILESCLK DDDAVPPGME SLISAPLVKT</p> <p>LEKEEEKDLV MYSKCQRLFR SPSMPCSVIR PILKRLERPQ DRDTPVQNK RRSVTPPEEQ</p> <p>QEAEPPKARV LRSKSLCHDE IENLLSDHR ELIGDYSKAF LLQTVDGKHQ DLKYISPETM</p> <p>VALLTGKFSN IVDKFVIVDC RYPYEGYEGH IKTAVNLPLE RDAESFLLKS PIAPCSLDKR</p> <p>VILIFHCEFS SERGPRMCRF IRERDRAVND YPSLYPEMY ILKGGYKEFF PQHPNFCPEQ</p> <p>DYRPMNHEAF KDELKTFRLK TRSWAGERSR RELCSRLQDQ <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</b></p>

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**request, please contact us.**

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**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.

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**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

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**Target:** CDC25B

**Alternative Name:** CDC25B ([CDC25B Products](#))

**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 (PubMed:1836978, PubMed:20360007). Directly dephosphorylates CDK1 and stimulates its kinase activity (PubMed:20360007). Required for G2/M phases of the cell cycle progression and abscission during cytokinesis in a ECT2-dependent manner (PubMed:17332740). The three isoforms seem to have a different level of activity (PubMed:1836978). {ECO:0000269|PubMed:17332740, ECO:0000269|PubMed:1836978, ECO:0000269|PubMed:20360007}.

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**Molecular Weight:** 65.0 kDa

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## Target Details

UniProt:	<a href="#">P30305</a>
Pathways:	<a href="#">Cell Division Cycle, M Phase, Autophagy</a>

## 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