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Datasheet for ABIN7563083

**Cyclin D3 Protein (CCND3) (AA 1-292) (His tag)**

## Overview

Quantity:	1 mg
Target:	Cyclin D3 (CCND3)
Protein Characteristics:	AA 1-292
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cyclin D3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Ccnd3 Protein expressed in mammalian cells.
Sequence:	MELLCCGTR HAPRAGDPDR LLGDQRLQS LLRLEERYVP RASYFQCQVK EIKPHMRKML AYWMLEVCEE QRCEEDVFPL AMNYLDRYLS CVPTRKAQLQ LLGTVCLLLA SKLRETTPLT IEKLCIYTDQ AVAPWQLREW EVLVLGKWKW DLAAVIAHDF LALILHRLSL PSDRQALVKK HAQTFLALCA TDYTFAMYPP SMIATGSIGA AVLGLGACSM SADELTELLA GITGTEVDCL RACQEQIEAA LRESLREAAQ TAPSPVPKAP RGSSSQGPSQ TSTPTDVTAI HL <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>
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:

## Product Details

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- 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

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## Target Details

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Target:	Cyclin D3 (CCND3)
Alternative Name:	Ccnd3 ( <a href="#">CCND3 Products</a> )
Background:	G1/S-specific cyclin-D3,FUNCTION: Regulatory component of the cyclin D3-CDK4 (DC) complex that phosphorylates and inhibits members of the retinoblastoma (RB) protein family including RB1 and regulates the cell-cycle during G(1)/S transition. Phosphorylation of RB1 allows dissociation of the transcription factor E2F from the RB/E2F complex and the subsequent transcription of E2F target genes which are responsible for the progression through the G(1) phase. Hypophosphorylates RB1 in early G(1) phase. Cyclin D-CDK4 complexes are major integrators of various mitogenic and antimitogenic signals. Component of the ternary complex, cyclin D3/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex. Shows transcriptional coactivator activity with ATF5 independently of CDK4. {ECO:0000250 UniProtKB:P30281}.
Molecular Weight:	32.4 kDa
UniProt:	<a href="#">P30282</a>
Pathways:	<a href="#">Cell Division Cycle</a> , <a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">Glycosaminoglycan Metabolic Process</a>

## Application Details

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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.

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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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