

Datasheet for ABIN7561469

## CABLES1 Protein (AA 1-568) (His tag)



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### Overview

Quantity:	1 mg
Target:	CABLES1
Protein Characteristics:	AA 1-568
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CABLES1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Cables1 Protein expressed in mammalien cells.
Sequence:	<p>MAAATATAGT AACSSSSSR GGSTDAATS GVQPPPPPA TAPPEPLRKP RMDPRRRQAA          LSFLTNISLD GRPPLQDHEW GGGEEGGGK PGARARLSLL AAGCNAFSAP GTAAAPWTAG          SGSSPCPLPP SLVPRVLGEP SQPPRSAPAV TGAQLQLPDG PGGAGQEELE EDDAFTNVQV          PSASFLGSGT PGSTSGSRGR LNSFTQGILP IAFSRQNSQN YCALEQSGQG GSTSALEQLQ          RSRRLISQR SSLETLEDIE ENAPLRRCRT LSGSPRPKNF KKIHFKNMR QHDTKNGRDL          KLDGGRQSAG AMSLKEIIGL EGVELGADGK TVSYTQFLLP TNAFGNRRNT IDSTASFSQF          RLSHRSLSM GRAGSTQGSL DAGSDLGDFM DYDPNLLDDP QWPCGKHKRV LTFPSYMTTV          IDYVKPSDLK KDMNETFKEK FPHIKLTLSK IRSLKREMRK LAQEDCGFEE PTVAMAFVYF          EKLALRGKLN KQNRKLCAGA CVLLAAKVGS DLRKHEVKHL IDKLEEKFRL NRRELIAFEF          PVLVALEFAL HLPEHEVMPH YRRLIQSS <b>Sequence without tag. The proposed Purification-          Tag is based on experiences with the expression system, a different complexity of the</b></p>

## Product Details

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**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:

CABLES1

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### Alternative Name:

Cables1 ([CABLES1 Products](#))

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### Background:

CDK5 and ABL1 enzyme substrate 1 (Interactor with CDK3 1) (Ik3-1),FUNCTION: Cyclin-dependent kinase binding protein. Enhances cyclin-dependent kinase tyrosine phosphorylation by nonreceptor tyrosine kinases, such as that of CDK5 by activated ABL1, which leads to increased CDK5 activity and is critical for neuronal development, and that of CDK2 by WEE1, which leads to decreased CDK2 activity and growth inhibition. Positively affects neuronal outgrowth. Plays a role as a regulator for p53/p73-induced cell death (By similarity). {ECO:0000250, ECO:0000269|PubMed:11706030}.

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### Molecular Weight:

61.4 kDa

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### UniProt:

[Q9ESJ1](#)

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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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