

Datasheet for ABIN7553270  
**CDK16 Protein (AA 1-496) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CDK16
Protein Characteristics:	AA 1-496
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDK16 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat CDK16 Protein expressed in mammalian cells.
Sequence:	<p>MDRMKKIKRQ LSMTLRGGRG IDKTNGAPEQ IGLDESGGGG GSDPGEAPTR AAPGELRSAR</p> <p>GPLSSAPEIV HEDLKMGSDG ESDQASATSS DEVQSPVRVR MRNHPPRKIS TEDINKRLSL</p> <p>PADIRLPEGY LEKLTNLSPI FDKPLSRRLR RVSLSEIGFG KLETYIKLDK LGEGTYATVY</p> <p>KGKSKLTDNL VALKEIRLEH EEGAPCTAIR EVSLLKDLKH ANIVTLHDII HTEKSLTLVF</p> <p>EYLDKDLKQY LDDCGNIINM HNVKFLFLQL LRGLAYCHRQ KVLHRDLKPQ NLLINERDEL</p> <p>KLADFLARA KSIPTKTYSN EVVTWYRPP DILLGSTDYS TQIDMWGVGC IFYEMATGRP</p> <p>LFPGSTVEEQ LHFIFRILGT PTEETWPGIL SNEEFKTYNY PKYRAEALLS HAPRLDSDGA</p> <p>DLLTKLLQFE GRNRISAEDA MKHPFFLSLG ERIHKLPDPT SIFALKEIQL QKEASLRSSS</p> <p>MPDSGRPAFR VVDTEF <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></p>

## Product Details

### 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.

### Purity:

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

### Grade:

custom-made

## Target Details

### Target:

CDK16

### Alternative Name:

CDK16 ([CDK16 Products](#))

### Background:

Cyclin-dependent kinase 16 (EC 2.7.11.22) (Cell division protein kinase 16) (PCTAIRE-motif protein kinase 1) (Serine/threonine-protein kinase PCTAIRE-1),FUNCTION: Protein kinase that plays a role in vesicle-mediated transport processes and exocytosis. Regulates GH1 release by brain neurons. Phosphorylates NSF, and thereby regulates NSF oligomerization. Required for normal spermatogenesis. Regulates neuron differentiation and dendrite development (By similarity). Plays a role in the regulation of insulin secretion in response to changes in blood glucose levels. Can phosphorylate CCNY at 'Ser-336' (in vitro). {ECO:0000250, ECO:0000269|PubMed:22184064, ECO:0000269|PubMed:22796189, ECO:0000269|PubMed:22798068}.

### Molecular Weight:

55.7 kDa

### UniProt:

[Q00536](#)

### Pathways:

[Hormone Transport](#)

## Application Details

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

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