

Datasheet for ABIN7563814

## ACD Protein (AA 1-416) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	ACD
Protein Characteristics:	AA 1-416
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACD protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Acd Protein expressed in mammalien cells.
Sequence:	<p>MSDSGLLALQ PWIRELILGS ETLSSPRTGQ LLKVLQDSET PGPSSAPDTP DTGAVLLVSD</p> <p>GTHSVRCVVT RNAIDTSDWE EKELGFRGTE GRLLLLQACG LRVQVAQDHA PAEFYLVQVDR</p> <p>FNLLPTEQPR IQVTGCNQDS DVQRKLNECL EDHLSSESASS SAGLTLSQLL DEVREDQDHR</p> <p>GALVCLAKSC LVLKGPCTTT PLTDWITSGS QALGKAVFTV SGSLHPIPEG EEQILSSTGS</p> <p>SQKARGTSAS PSHMPLEESG ASVSLLSALA TSDPGQMDSS QSPPAVGSTS PRAQAPTSP</p> <p>CNSTPSSLLL NCSPSL SPLH PAPRSHQSCE TRAQAPKLEF QCSFKKRQLL PR TSAQELCS</p> <p>VWEPPERHRD TSAFQYKYET PSASLHTQVQ TARLSPQLVA WALNIVMESE SELTQV <b>Sequence</b></p> <p><b>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>
Characteristics:	Key Benefits:

## Product Details

- 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:	ACD
---------	-----

Alternative Name:	Acd ( <a href="#">ACD Products</a> )
-------------------	--------------------------------------

Background:	Adrenocortical dysplasia protein,FUNCTION: Component of the shelterin complex (telosome) that is involved in the regulation of telomere length and protection. Shelterin associates with arrays of double-stranded TTAGGG repeats added by telomerase and protects chromosome ends. Without its protective activity, telomeres are no longer hidden from the DNA damage surveillance and chromosome ends are inappropriately processed by DNA repair pathways. Promotes binding of POT1 to single-stranded telomeric DNA. Modulates the inhibitory effects of POT1 on telomere elongation. The ACD-POT1 heterodimer enhances telomere elongation by recruiting telomerase to telomeres and increasing its processivity (By similarity). May play a role in organogenesis (PubMed:15537664). {ECO:0000250 UniProtKB:Q96AP0, ECO:0000269 PubMed:15537664}.
-------------	--

Molecular Weight:	44.7 kDa
-------------------	----------

UniProt:	<a href="#">Q5EE38</a>
----------	------------------------

Pathways:	<a href="#">Telomere Maintenance</a>
-----------	--------------------------------------

## 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.
--------------------	--

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