

Datasheet for ABIN7564437  
**ADC Protein (AA 1-459) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ADC
Protein Characteristics:	AA 1-459
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADC protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Azin2 Protein expressed in mammalian cells.
Sequence:	<p>MAGYLSESDF VMVEEGFSTR DLLEELTLGA SQATSGKVAA FFVADLGAVV RKHFCFLKHL  PRVRPFYAVG CNSSLGVLKV LAELGLGFSC ANKAEMELVQ HIGVPASKII CANPCKQVAQ  IKYAAKHGVR LLSFDNEVEL AKVVKSHPSA KMLVCIATQD SHSLNHLSLR FGASLKSCRH  LLENAKKSHV EVVGVSFHIG SGCPDPQAYA QSIADARLVF QMGEELGHTM NILDLGGGFP  GLEGAKVRFE EMASVINSAL DLYFPEGCGV DILAELGRYY VTSFTVAVS IVAKREVLDQ  ASREEQTGAA PKSIVYYLDE GYGVFNSVL FDNTCPTPAL QKKPSADQPL YSSSLWGPAV  EGCDCVAEGL WLPQLQVGDW LVFDNMGAYT VDTKSLGGT QARRVTYAMS RLAWREALRGQ  LLPAEEDQDA EGVCKPLSCG WEITDTLCVG PVFTPASIM</p> <p><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:

ADC

### Alternative Name:

Azin2 ([ADC Products](#))

### Background:

Antizyme inhibitor 2 (AZI2) (Arginine decarboxylase-like protein) (ADC) (ARGDC) (Ornithine decarboxylase-like protein) (ODC-like protein) (ornithine decarboxylase paralog) (ODC-p), FUNCTION: Antizyme inhibitor (AZI) protein that positively regulates ornithine decarboxylase (ODC) activity and polyamine uptake. AZI is an enzymatically inactive ODC homolog that counteracts the negative effect of ODC antizymes (AZs) OAZ1, OAZ2 and OAZ3 on ODC activity by competing with ODC for antizyme-binding (PubMed:18062773, PubMed:18508777, PubMed:18973822). Inhibits antizyme-dependent ODC degradation and releases ODC monomers from their inactive complex with antizymes, leading to formation of the catalytically active ODC homodimer and restoring polyamine production (PubMed:16916800, PubMed:24967154). Participates in the morphological integrity of the trans-Golgi network (TGN) and functions as a regulator of intracellular secretory vesicle trafficking (By similarity). {ECO:0000250|UniProtKB:Q96A70, ECO:0000269|PubMed:16916800, ECO:0000269|PubMed:18062773, ECO:0000269|PubMed:18508777,

## Target Details

ECO:0000269|PubMed:18973822, ECO:0000269|PubMed:24967154}.

Molecular Weight: 49.5 kDa

UniProt: [Q8BVM4](#)

## 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