

Datasheet for ABIN7551748  
**A1CF Protein (AA 1-594) (His tag)**



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## Overview

Quantity:	1 mg
Target:	A1CF
Protein Characteristics:	AA 1-594
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This A1CF protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat A1CF Protein expressed in mammalian cells.
Sequence:	<p>MESNHKSGDG LSGTQKEAAL RALVQRTGYS LVQENGQRKY GGPPPGWDAA PPERGCEIFI</p> <p>GKLPRDLFED ELIPLCEKIG KIYEMRMMMD FNGNNRGYAF VTFSNKVEAK NAIKQLNNYE</p> <p>IRNGRLLGVC ASVDNCRLFV GGIPKTKKRE EILSEMKKVT EGVVDVIVYP SAADKTKNRG</p> <p>FAFVEYESHR AAAMARRKLL PGRIQLWGHG IAVDWAEPEV EVDEDTMSSV KILYVRNLML</p> <p>STSEEMIEKE FNNIKPGAVE RVKKIRDYAF VHFSNREDAV EAMKALNGKV LDGSPIEVTL</p> <p>AKPVDKDSYV RYTRGTGGRG TMLQGEYTYS LGQVYDPTTT YLGAPVFYAP QTYAAIPSLH</p> <p>FPATKGHLN RAIIRAPSVR EIYMNVPVGA AGVRGLGGRG YLAYTGLGRG YQVKGDKRED</p> <p>KLYDILPGME LTPMNPVTLK PQGIKLAPQI LEEICQKNNW GQPVYQLHSA IGQDQRQLFL</p> <p>YKITIPALAS QNPAIHPFTP PKLSAFVDEA KTYAAEYTLQ TLGIPTDGGD GTMATAAAAA</p> <p>TAFPGYAVPN ATAPVSAAQL KQAVTLGQDL AAYTTYEVYP TFAVTARGDG YGTF <b>Sequence</b></p> <p><b>without tag. The proposed Purification-Tag is based on experiences with the expression</b></p>

**system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

### 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:

A1CF

### Alternative Name:

A1CF ([A1CF Products](#))

### Background:

APOBEC1 complementation factor (APOBEC1-stimulating protein),FUNCTION: Essential component of the apolipoprotein B mRNA editing enzyme complex which is responsible for the postranscriptional editing of a CAA codon for Gln to a UAA codon for stop in APOB mRNA. Binds to APOB mRNA and is probably responsible for docking the catalytic subunit, APOBEC1, to the mRNA to allow it to deaminate its target cytosine. The complex also protects the edited APOB mRNA from nonsense-mediated decay. {ECO:0000269|PubMed:10669759, ECO:0000269|PubMed:10781591, ECO:0000269|PubMed:12881431, ECO:0000269|PubMed:24916387}.

### Molecular Weight:

65.2 kDa

### UniProt:

[Q9NQ94](#)

## 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