

Datasheet for ABIN7557577  
**A1CF Protein (AA 1-595) (His tag)**



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## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | A1CF  |
| Protein Characteristics:      | AA 1-595                                    |
| Origin:                       | Mouse                                       |
| 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 GGPPPGWDST PPERGCEIFI</p> <p>GKLPRDLFED ELIPLCEKIG KIYEMRLMMD FNGNNRGYAF VTFSNKQEAK NAIKQLNNYE</p> <p>IRTGRLLGVC ASVDNCRFLV GGIPKTKKRE EILSEMKKVT EGVVDVIVYP SAADKTKNRG</p> <p>FAFVEYESHR AAAMARRRLL PGRIQLWGHP IAVDWAEPEV EVDEDTMSSV KILYVRNLML</p> <p>STSEEMIEKE FNSIKPGAVE RVKKIRDYAF VHFSNREDAV EAMKALNGKV LDGSPIEVTL</p> <p>AKPVDKDSYV RYTRGTGGRN TMLQGEYTYP LSHVYDPTTT YLGAPVFYTP QAYAAIPSLH</p> <p>FPATKGHLN RALIRTPSVR EIYMNVPVGA AGVRGLGGRG YLAYTGLGRG YHVKGDKRED</p> <p>KLYDLLPGME LTPMNTVSLK PQGIKLAPQI LEEICQKNNW GQPVYQLHSA IGQDQRQLFL</p> <p>YKVTIPALAS QNPAPHFPFIP PKLSAYVDEA KRYAAEHTLQ TLGIPTEGGD AGTTAPTATS</p> <p>ATVFPGYAVP SATAPVSTAQ LKQAVTLGQD LAAYTTYEVY PTFALTTRGD AYGTF <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: | <p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p> |
|------------------|---|

|         |   |
|---------|---|
| Purity: | > 90 % as determined by Bis-Tris Page, Western Blot |
| Grade:  | custom-made   |

Target Details

|                   |   |
|-------------------|---|
| Target:           | A1CF  |
| Alternative Name: | A1cf ( <a href="#">A1CF Products</a> )  |
| Background:       | <p>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 seems to protect the edited APOB mRNA from nonsense-mediated decay (By similarity).</p> <p>{ECO:0000250 UniProtKB:Q9NQ94}.</p> |
| Molecular Weight: | 65.7 kDa  |
| UniProt:          | <a href="#">Q5YD48</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  |