

Datasheet for ABIN7563404

## APOBEC1 Protein (AA 1-229) (His tag)



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### Overview

Quantity:	1 mg
Target:	APOBEC1
Protein Characteristics:	AA 1-229
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APOBEC1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Apobec1 Protein expressed in mammalien cells.
Sequence:	<p>MSSETGPVAV DPTLRRRIEP HEFEVFFDPR ELRKETCLLY EINWGGRRHSV WRHTSQNTSN</p> <p>HVEVNFLEKF TTERYFRPNT RCSITWFLSW SPCGECsRAI TEFLSRHPYV TLFYIARLY</p> <p>HHTDQRNRQG LRDLISSGVT IQIMTEQEYC YCWRNFVNYP PSNEAYWPRY PHLWVKLYVL</p> <p>ELYCIILGLP PCLKILRRKQ PQLTFFTITL QTCHYQRIPP HLLWATGLK <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>
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 mammalien cells and purified in one-step affinity chromatography</li> <li>• The optimized expression system ensures reliability for intracellular, secreted and</li> </ul>

## Product Details

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: APOBEC1

Alternative Name: Apobec1 ([APOBEC1 Products](#))

Background: C->U-editing enzyme APOBEC-1 (EC 3.5.4.-) (Apolipoprotein B mRNA-editing enzyme catalytic polypeptide 1) (APOBEC-1) (Apolipoprotein B mRNA-editing enzyme 1) (EC 3.5.4.36) (mRNA(cytosine(6666)) deaminase 1),FUNCTION: Cytidine deaminase catalyzing the cytidine to uridine postranscriptional editing of a variety of mRNAs. Form complexes with cofactors that confer differential editing activity and selectivity. Responsible for the postranscriptional editing of a CAA codon for Gln to a UAA codon for stop in the apolipoprotein B mRNA. Also involved in CGA (Arg) to UGA (Stop) editing in the NF1 mRNA (By similarity). May also play a role in the epigenetic regulation of gene expression by participating in DNA demethylation (PubMed:21496894). {ECO:0000250|UniProtKB:P41238, ECO:0000269|PubMed:21496894}.

Molecular Weight: 27.5 kDa

UniProt: [P51908](#)

## 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.

Application Details

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