

Datasheet for ABIN7551874

APOBEC1 Protein (AA 1-236) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	APOBEC1
Protein Characteristics:	AA 1-236
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APOBEC1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant APOBEC1 Protein expressed in mammalian cells.
Sequence:	<p>MTSEKGPSTG DPTLRRRIEP WEFDVFYDPR ELRKEACLLY EIKWGMSRKI WRSSGKNTTN</p> <p>HVEVNFIIKF TSERDFHPSM SCSITWFLSW SPCWECSQAI REFLSRHPGV TLVIYVARLF</p> <p>WHMDQQNRQG LRDLVNSGVT IQIMRASEYY HCWRNFVNYP PGDEAHWPQY PPLWMMMLYAL</p> <p>ELHCCIILSLP PCLKISRRWQ NHLTFFRLHL QNCHYQTIPP HILLATGLIH PSVAWR Sequence</p> <p>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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	APOBEC1
Alternative Name:	APOBEC1 (APOBEC1 Products)
Background:	<p>C->U-editing enzyme APOBEC-1 (EC 3.5.4.-) (Apolipoprotein B mRNA-editing enzyme catalytic subunit 1) (APO1) (APOBEC-1) (Apolipoprotein B mRNA-editing enzyme 1) (EC 3.5.4.36) (HEPR) (mRNA(cytosine(6666)) deaminase 1),FUNCTION: Cytidine deaminase catalyzing the cytidine to uridine postranscriptional editing of a variety of mRNAs (PubMed:30844405). 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 (PubMed:24916387). Also involved in CGA (Arg) to UGA (Stop) editing in the NF1 mRNA (PubMed:11727199). May also play a role in the epigenetic regulation of gene expression by participating in DNA demethylation (By similarity).</p> <p>{ECO:0000250 UniProtKB:P51908, ECO:0000269 PubMed:11727199, ECO:0000269 PubMed:24916387, ECO:0000269 PubMed:30844405}.</p>
Molecular Weight:	28.2 kDa
UniProt:	P41238

Application Details

Application Notes:	We expect the protein to work for functional studies. 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