

Datasheet for ABIN7551757

APOBEC3A Protein (AA 1-199) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	APOBEC3A
Protein Characteristics:	AA 1-199
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APOBEC3A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant APOBEC3A Protein expressed in mammalian cells.
Sequence:	MEASPASGPR HLMDPHIFTS NFNNGIGRHK TYLCYEVERL DNGTSVKMDQ HRGFLHNQAK NLLCGFYGRH AELRFLDLVP SLQLDPAQIY RVTWFISWSP CFSWGCAGEV RAFLQENTHV RLRIFAARIY DYDPLYKEAL QMLRDAGAQV SIMTYDEFKH CWDTFVDHQG CPFQPWDGLD EHSQALSGRL RAILQNQGN 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.
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:	Key Benefits: <ul style="list-style-type: none">• 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

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

Target Details

Target:	APOBEC3A
Alternative Name:	APOBEC3A (APOBEC3A Products)
Background:	DNA dC->dU-editing enzyme APOBEC-3A (A3A) (EC 3.5.4.38) (Phorbolin-1),FUNCTION: DNA deaminase (cytidine deaminase) with restriction activity against viruses, foreign DNA and mobility of retrotransposons. Exhibits antiviral activity against adeno-associated virus (AAV) and human T-cell leukemia virus type 1 (HTLV-1) and may inhibit the mobility of LTR and non-LTR retrotransposons. Selectively targets single-stranded DNA and can deaminate both methylcytosine and cytosine in foreign DNA. Can induce somatic hypermutation in the nuclear and mitochondrial DNA. May also play a role in the epigenetic regulation of gene expression through the process of active DNA demethylation. {ECO:0000269 PubMed:10469298, ECO:0000269 PubMed:12859895, ECO:0000269 PubMed:16527742, ECO:0000269 PubMed:19461882, ECO:0000269 PubMed:20062055, ECO:0000269 PubMed:20615867, ECO:0000269 PubMed:21123384, ECO:0000269 PubMed:21368204, ECO:0000269 PubMed:21460793, ECO:0000269 PubMed:21496894, ECO:0000269 PubMed:22457529, ECO:0000269 PubMed:22896697}.
Molecular Weight:	23.0 kDa
UniProt:	P31941

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
