

Datasheet for ABIN7551870

## APOBEC3B Protein (AA 1-382) (His tag)



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### Overview

Quantity:	1 mg
Target:	APOBEC3B
Protein Characteristics:	AA 1-382
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APOBEC3B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat APOBEC3B Protein expressed in mammalian cells.
Sequence:	<p>MNPQIRNPME RMYRDTFYDN FENEPILYGR SYTWLCYEVK IKGRSNLLW DTGVFRGQVY</p> <p>FKPQYHAEMC FLSWFCGNQL PAYKCFQITW FVSWTPCPDC VAKLAEFLSE HPNVTLTISA</p> <p>ARLYYYWERD YRRALCRLSQ AGARVTIMDY EEFAYCWENF VYNEGQQFMP WYKFDENYAF</p> <p>LHRTLKEILR YLMDPDTFTF NFNNDPLVLR RRQTYLCYEV ERLDNGTWVL MDQHMGLFCN</p> <p>EAKNLLCGFY GRHAELRFLD LVPSLQLDPA QIYRVTFWIS WSPCFSWGCA GEVRAFLQEN</p> <p>THVRLRIFAA RIYDYDPLYK EALQMLRDAG AQVSIMTYDE FEYCWDTFVY RQGCPFQPWD</p> <p>GLEEHSQALS GRLRAILQNN GN <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:	Key Benefits:

## Product Details

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- 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.

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

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Target:	APOBEC3B
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Alternative Name:	APOBEC3B ( <a href="#">APOBEC3B Products</a> )
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Background:	<p>DNA dC-&gt;dU-editing enzyme APOBEC-3B (A3B) (EC 3.5.4.38) (Phorbolin-1-related protein) (Phorbolin-2/3),FUNCTION: DNA deaminase (cytidine deaminase) which acts as an inhibitor of retrovirus replication and retrotransposon mobility via deaminase-dependent and -independent mechanisms. After the penetration of retroviral nucleocapsids into target cells of infection and the initiation of reverse transcription, it can induce the conversion of cytosine to uracil in the minus-sense single-strand viral DNA, leading to G-to-A hypermutations in the subsequent plus-strand viral DNA. The resultant detrimental levels of mutations in the proviral genome, along with a deamination-independent mechanism that works prior to the proviral integration, together exert efficient antiretroviral effects in infected target cells. Selectively targets single-stranded DNA and does not deaminate double-stranded DNA or single- or double-stranded RNA. Exhibits antiviral activity against simian immunodeficiency virus (SIV), hepatitis B virus (HBV) and human T-cell leukemia virus type 1 (HTLV-1) and may inhibit the mobility of LTR and non-LTR retrotransposons. {ECO:0000269 PubMed:12859895, ECO:0000269 PubMed:15466872, ECO:0000269 PubMed:16060832,</p>
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### Target Details

	ECO:0000269 PubMed:16527742, ECO:0000269 PubMed:20062055, ECO:0000269 PubMed:22457529}.
Molecular Weight:	45.9 kDa
UniProt:	<a href="#">Q9UH17</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