

Datasheet for ABIN7552052  
**ANP32B Protein (AA 1-251) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	ANP32B
Protein Characteristics:	AA 1-251
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANP32B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat ANP32B Protein expressed in mammalien cells.
Sequence:	<p>MDMKRRIHLE LRNRTPAAVR ELVLDNCKSN DGKIEGLTAE FVNLEFLSLI NVGLISVSNL            PKLPKLLKLE LSENRIFGGL DMLAEKLPNL THLNLSGNKL KDISTLEPLK KLECKLSLDL            FNCEVTNLND YRESVFKLLP QLTYLDGYDR EDQEAPSDA EVDGVDEEEE DEEGEDEEDE            DDEDGEEEEF DEEDDEDEDV EGDEDDDEVS EEEEEFGLDE EDEDEDEDEE EEEGGKGEKR            KRETDEGED D <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

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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

## Target Details

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Target: ANP32B

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Alternative Name: ANP32B ([ANP32B Products](#))

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Background: Acidic leucine-rich nuclear phosphoprotein 32 family member B (Acidic protein rich in leucines) (Putative HLA-DR-associated protein I-2) (PHAPI2) (Silver-stainable protein SSP29),FUNCTION: Multifunctional protein that is involved in the regulation of many processes including cell proliferation, apoptosis, cell cycle progression or transcription (PubMed:20015864, PubMed:18039846). Regulates the proliferation of neuronal stem cells, differentiation of leukemic cells and progression from G1 to S phase of the cell cycle. As negative regulator of caspase-3-dependent apoptosis, may act as an antagonist of ANP32A in regulating tissue homeostasis (PubMed:20015864). Exhibits histone chaperone properties, able to recruit histones to certain promoters, thus regulating the transcription of specific genes (PubMed:20538007, PubMed:18039846). Also plays an essential role in the nucleocytoplasmic transport of specific mRNAs via the uncommon nuclear mRNA export receptor XPO1/CRM1 (PubMed:17178712). Participates in the regulation of adequate adaptive immune responses by acting on mRNA expression and cell proliferation (By similarity). {ECO:0000250|UniProtKB:Q9EST5, ECO:0000269|PubMed:17178712, ECO:0000269|PubMed:18039846, ECO:0000269|PubMed:20015864, ECO:0000269|PubMed:20538007}., FUNCTION: (Microbial infection) Plays an essential role in influenza A and B viral genome replication (PubMed:33045004, PubMed:31217244). Also plays

## Target Details

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a role in foamy virus mRNA export from the nucleus to the cytoplasm (PubMed:21159877).  
{ECO:0000269|PubMed:21159877, ECO:0000269|PubMed:31217244,  
ECO:0000269|PubMed:33045004}.

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Molecular Weight: 28.8 kDa

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UniProt: [Q92688](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months