

Datasheet for ABIN7552033

## ADNP Protein (AA 1-1102) (His tag)



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### Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | ADNP  |
| Protein Characteristics:      | AA 1-1102                                   |
| Origin:                       | Human                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This ADNP protein is labelled with His tag. |
| Application:                  | SDS-PAGE (SDS), Western Blotting (WB)       |

### Product Details

|           |   |
|-----------|---|
| Purpose:  | Custom-made recombinat ADNP Protein expressed in mammalian cells.   |
| Sequence: | <p>MFQLPVNNLG SLRKARKTVK KILSDIGLEY CKEHIEDFKQ FEPNDFYLNK TTWEDVGLWD</p> <p>PSLTKNQDYR TKPFCCSACP FSSKFFSAYK SHFRNVHSED FENRILLNCP YCTFNADKKT</p> <p>LETHIKIFHA PNASAPSSSL STFKDKNKND GLKPKQADSV EQAVYYCKKC TYRDPLYEIV</p> <p>RKHIYREHFQ HVAAPYIAKA GEKSLNGAVP LGSNAREESS IHCKRCLFMP KSYEALVQHV</p> <p>IEDHERIGYQ VTAMIGHTNV VVPRSKPLML IAPKPQDKKS MGLPPRIGSL ASGNVRSPLS</p> <p>QQMVNRLSIP KPNLNSTGVN MMSSVHLQQN NYGVKSVGQG YSVGQSMRLG LGGNAPVSIP</p> <p>QQSQSVKQLL PSGNGRSYGL GSEQRSQAPA RYSLQSANAS SLSSGQLKSP SLSQSQASRV</p> <p>LGQSSSKPAA AATGPPPGNT SSTQKWKICT ICNELFPENV YSVHFEKEHK AEKVPVANY</p> <p>IMKIHNFTSK CLYCNRYLPT DTLLNHMLIH GLSCPYCRST FNDVEKMAAH MRMVHIDEEM</p> <p>GPKTDSTLSF DLTLLQGSHT NIHLLVTTYN LRDAPAESVA YHAQNNPPVP PKPQPKVQEK</p> <p>ADIPVKSSPQ AAVPYKKDVG KTLCLPCFSI LKGPISDALA HHLRERHQVI QTVHPVEKKL</p> |

TYKCIHCLGV YTSNMTASTI TLHLVHCRGV GKTQNGQDKT NAPSRLNQSP SLAPVKRTYE  
QMEFPLLKKR KLDDSDSPS FFEEKPEEPV VLALDPKGHE DDSYEARKSF LTKYFNKQPY  
PTRREIEKLA ASLWLWKSDI ASHFSNKRKK CVRDCEKYKP GVLLGFNMKE LNKVKHEMDF  
DAEWLFENHD EKDSRVNASK TADKKLNLGK EDDSSSDSFE NLEESNESG SPFDPVFEVE  
PKISNDNPEE HVLKVIPEDA SESEEKLDQK EDGSKYETIH LTEEPTKLMH NASDSEVDQD  
DVVEWKDGAS PSESGPGSQQ VSDFEDNTCE MKPGTWSDS SQSEDARSSK PAAKKKATMQ  
GDREQLKWKN SSYGKVEGFW SKDQSQWKNA SENDERLSNP QIEWQNSTID SEDGEQFDNM  
TDGVAEPMHG SLAGVKLSSQ QA **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.**

Characteristics:

Key Benefits:

- 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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

ADNP

Alternative Name:

ADNP ([ADNP Products](#))

Background:

Activity-dependent neuroprotector homeobox protein (Activity-dependent neuroprotective protein),FUNCTION: May be involved in transcriptional regulation. May mediate some of the neuroprotective peptide VIP-associated effects involving normal growth and cancer

## Target Details

|                   |   |
|-------------------|---|
|                   | proliferation. Positively modulates WNT-beta-catenin/CTNN1B signaling, acting by regulating phosphorylation of, and thereby stabilizing, CTNNB1. May be required for neural induction and neuronal differentiation. May be involved in erythroid differentiation (By similarity). {ECO:0000250 UniProtKB:Q9Z103}. |
| Molecular Weight: | 123.6 kDa   |
| UniProt:          | <a href="#">Q9H2P0</a>  |
| Pathways:         | <a href="#">Regulation of Cell Size</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</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  |