

Datasheet for ABIN7565265

ADNP Protein (AA 1-1108) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ADNP
Protein Characteristics:	AA 1-1108
Origin:	Mouse
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 mammalien cells.
Sequence:	MFQLPVNNLG SLRKARKTVK KILSDIGLEY CKEHIEDFKQ FEPNDFYLNK TTWEDVGLWD PSLTKNQDYR TKPFCCSACP FSSKFFSAYK SHFRNVHSED FENRILLNCP YCTFNADKKT LETHIKIFHA PNSSAPSSSL STFKDKNKND GLKPKQADNV EQAVYYCKKC TYRDPLYEIV RKHIYREHFQ HVAAPYIAKA GEKSLNGAVS LGTNAREECN IHCKRCLFMP KSYEALVQHV IEDHERIGYQ VTAMIGHTNV VVPRAKPLML IAPKPQDKKG MGLPPRISSL ASGNVRSPLS QQMVNRLSIP KPNLNSTGVN MMSNVHLQQN NYGVKSVGQS YGVGQSVRLG LGGNAPVSIP QQSQSVKQLL PSGNGRSFGL GAEQRPPAAA RYSLQTANTS LPPGQVKSPS VSQSQASRVL GQSSSKPPPA ATGPPPSNHC ATQKWICTI CNELFPENVY SVHFEKEHKA EKVPVANYI MKIHNFTSKC LYCNRYLPTD TLLNHMLIHG LSCPYCRSTF NDVEKMAAHM RMVHIDEEMG PKTDSTLSFD LTLQQGSHTN IHLLVTTYNL RDAPAESVAY HAQNNAPVPP KPQPKVQEKA DVPVKSSPQA AVPYKKDVGK TLCPLCFSIL KGPISDALAH HLRERHQVIQ TVHPVEKKLT

YKCIHCLGVY TSNMTASTIT LHLVHCRGVG KTQNGQDKTN APSRLNQSPG LAPVKRTYEQ
MEFPLLKKRK LEEDADSPSC FEEKPEEPVV LALDPKGHED DSYEARKSFL TKYFNKQPYP
TRREIEKLAA SLWLWKS DIA SHFSNKRKKC VRDCEKYKPG VLLGFNMKEL NKVKHEMDFD
AEWLFENHDE KDSRVNASKT VDKKHNLGKE DDSFSDSFEH LEEESNGSGS PFDPVFEVEP
KIPSDNLEEP VPKVIPEGAL ESEKLDQKEE EEEEEEDGS KYETIHLTEE PAKLMHDASD
SEVDQDDVVE WKDGASPS ES GPGSQQISDF EDNTCEMKPG TWSDESSQSE DARSSKPAAK
KKATVQDDTE QLKWKNSSYG KVEGFWSKDQ SQWENASENA ERLPNPQIEW QNSTIDSEDG
EQFDSMTDGV ADPMHGSLTG VKLSSQQA

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.
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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 (PubMed:23071114,

Target Details

PubMed:32533114). May mediate some of the neuroprotective peptide VIP-associated effects involving normal growth and cancer proliferation. Positively modulates WNT-beta-catenin/CTNN1B signaling, acting by regulating phosphorylation of, and thereby stabilizing, CTNNB1 (PubMed:32533114). May be required for neural induction and neuronal differentiation (PubMed:32533114). May be involved in erythroid differentiation (PubMed:23071114). {ECO:0000269|PubMed:23071114, ECO:0000269|PubMed:32533114}.

Molecular Weight: 124.3 kDa

UniProt: [Q9Z103](#)

Pathways: [Regulation of Cell Size](#), [Regulation of Carbohydrate Metabolic Process](#)

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