Datasheet for ABIN3136468

ADNP2 Protein (AA 1-1165) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	ADNP2
Protein Characteristics:	AA 1-1165
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADNP2 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MFQIPVQNLD NIRKVRKRVK GILVDIGLDS CKELMKDLKS FDPGEKYFYN TSWGDVSPWE PSGKKARYRT KPYCCSLCRY STKVLTSLKN HLHRYHEDEA DQELMIPCPN CPFSSQPRVV GKHFRMFHAP ARKVQSYTVN ILGETKTSRS DVISFTCLKC NFSNTLYYSM KKHVLVAHFN YLINSYFGLR TEETGEQPKA SDPVSVDKIL PFDKYYCKKC SAIASSQDAL MYHILTSDAH RDLENKLRSV ISEHIKRTGF LKQMHIAPKP VTHLALPPNS SAPSIAAPPP CFQLALPQNS QSSGTVQSVT VTPGTSGSLT HSPPTTAQSH VALVSSSLPV CQSSLSLQQS APPPVFLSHS VALNQPVNTA VLPLTQPVGP VNKSVGTSIL PVNQAMCSVN QAVRPGLLPL TKPMGPMNRP VGPAVLPMGP SVNSGVLQAT SPGVISVGRA VPSGVLPAGQ VTPAGVIPGQ TATSGVLPTG QVVQSSTLPV GQTAPSRGLP PGQTVPLRVL PAGQVVPSGL LSSNQTVPSG VVPVNQGVNS GVLQLGQPVT PGVLPVGPPV RPGVLQLSPS VSTSILPMSQ PVRAGTSQNT TFFTSGSILR QLIPTGKQVN GIPTYTLAPV SVTLPVPSGG GLAAVGPPPQ VPVQFLPSGS GTQMGSSLPS

LPSPQVLVSP APSVFVQATP PLADANQALK QAKQWKTCPV CNELFPSNVY QVHMEVAHKQ SEAQLCQVCN ELFPANVYQV HMEVAHKQSE SKSSEKLEPE KLAACAPFLK WMREKTVRCL SCKCLVSQEE LMHHLLMHGL GCLFCPCTFH DVRGLVEHSR TKHLGKKRLS MDYSNRGFQL DLDANGNLLF PHLDFITILP REKLGEREVY LAILAGIHSK SLVPVYVKVR PQPEVAPKIP NKQKLTCPFC LSTFMTADAY ELHLKERHHV MPTVHTMLRS PAFKCIHCCG VYTGNMTLGA IAVHLLRCRS APKDSSSDLQ VQPGFIESSE LLMVNGDVIP ESTFPVKRKL PEGHLGPEDQ RDGEEPQLTL DADASSGSEK GLGAVPLKRQ KSEIRTEGSG PSEDSLQALA LDPSKYEGRS YEEKKQFLRD YFHRRPYPSR KEVELLSSLL WVWKIDVASF FGKRRYICMK AIKTHKPSVL LGFDMSELKN VKHRLNFGEC ESQKL

Sequence without tag. The proposed Strep-Tag is based on experience s 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 in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Product Details

	Concentration: • The concentration of our recombinant proteins is measured using the absorbance at 280nm. • The protein's absorbance will be measured against its specific reference buffer. • We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.
Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	ADNP2
Alternative Name:	Adnp2 (ADNP2 Products)
Background:	Activity-dependent neuroprotector homeobox protein 2 (ADNP homeobox protein 2) (Zinc finger protein 508),FUNCTION: May be involved in transcriptional regulation (PubMed:23071114). May play a role in neuronal function, perhaps involved in protection of brain tissues from oxidative stress (PubMed:18179478). May be involved in erythroid differentiation (PubMed:23071114). {ECO:0000269|PubMed:18179478, ECO:0000269|PubMed:23071114}.
Molecular Weight:	126.8 kDa
UniProt:	Q8CHC8

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.
Comment:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications. During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional

Application Details

	components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months