Datasheet for ABIN3096504

ZNF536 Protein (AA 1-1300) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	ZNF536
Protein Characteristics:	AA 1-1300
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZNF536 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MEEASLCLGV SSAEPEAEPH LSGPVLNGQY AMSQKLHQIT SQLSHAFPEL HPRPNPEEKP PASLEEKAHV PMSGQPMGSQ MALLANQLGR EVDTSLNGRV DLQQFLNGQN LGIMSQMSDI EDDARKNRKY PCPLCGKRFR FNSILSLHMR THTGEKPFKC PYCDHRAAQK GNLKIHLRTH KLGNLGKGRG RVREENRLLH ELEERAILRD KQLKGSLLQP RPDLKPPPHA QQAPLAACTL ALQANHSVPD VAHPVPSPKP ASVQEDAVAP AAGFRCTFCK GKFKKREELD RHIRILHKPY KCTLCDFAAS QEEELISHVE KAHITAESAQ GQGPNGGGEQ SANEFRCEVC GQVFSQAWFL KGHMRKHKDS FEHCCQICGR RFKEPWFLKN HMKVHLNKLS VKNKSPSDPE VPVPMGGMSQ EAHANLYSRY LSCLQSGFMT PDKAGLSEPS QLYGKGELPM KEKEALGKLL SPISSMAHGV PEGDKHSLLG CLNLVPPLKS SCIERLQAAA KAAEMDPVNS YQAWQLMARG MAMEHGFLSK EHPLQRNHED TLANAGVLFD KEKREYVLVG ADGSKQKMPA DLVHSTKVGS QRDLPSKLDP LESSRDFLSH GLNQTLEYNL QGPGNMKEKP TECPDCGRVF RTYHQVVVHS RVHKRDRKGE

EDGLHVGLDE RRGSGSDQES QSVSRSTTPG SSNVTEESGV GGGLSQTGSA QEDSPHPSSP SSSDIGEEAG RSAGVQQPAL LRDRSLGSAM KDCPYCGKTF RTSHHLKVHL RIHTGEKPYK CPHCDYAGTQ SASLKYHLER HHRERQNGAG PLSGQPPNQD HKDEMSSKAS LFIRPDILRG AFKGLPGIDF RGGPASQQWT SGVLSSGDHS GQATGMSSEV PSDALKGTDL PSKSTHFSEI GRAYQSIVSN GVNFQGSLQA FMDSFVLSSL KKEKDMKDKA LADPPSMKVH GVDGGEEKPS GKSSQRKSEK SQYEPLDLSV RPDAASLPGS SVTVQDSIAW HGCLFCAFTT SSMELMALHL QANHLGKAKR KDNTIGVTVN CKDQAREASK MALLPSLQSN KDLGLSNMIS SLDSASEKMA QGQLKETLGE QKSGAWTGHV DPAFCNFPSD FYKQFGVYPG MVGSGASSSC PNKEPDGKAH SEEDVPILIP ETTSKNTTDD LSDIASSEDM DSSKGENNDE EDVETEPEMM TKPLSALSKD SSSDGGDSLQ PTGTSQPVQG LVSPLSQAPE KQWHSQGLLQ AQDPLAGLPK PERGPQSLDK PMNMLSVLRA YSSDGLAAFN GLASSTANSG CIKRPDLCGK

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 -

Product Details

	all that's needed is the DNA that codes for the desired protein! 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:	ZNF536
Alternative Name:	ZNF536 (ZNF536 Products)
Background:	Zinc finger protein 536,FUNCTION: Transcriptional repressor that negatively regulates neuron differentiation by repressing retinoic acid-induced gene transcription (PubMed:19398580). Binds and interrupts RARA from binding to retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5 (PubMed:19398580). Recognizes and binds 2 copies of the core DNA sequence 5'-CCCCCA-3' (PubMed:14621294). {ECO:0000269|PubMed:14621294, ECO:0000269|PubMed:19398580}.
Molecular Weight:	141.4 kDa
UniProt:	O15090
Pathways:	Retinoic Acid Receptor Signaling Pathway

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

Application Details

	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!
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