Datasheet for ABIN3096525

ZNF541 Protein (AA 1-1346) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	ZNF541
Protein Characteristics:	AA 1-1346
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZNF541 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MDQYSLGDEG ALPSEMHLPS FSESQGLNCS DTLNRDLGPN TRGFLYAGLS GLDPDPSLPT PDMSSEVLED NLDTLSLYSG KDSDSVKLLE EYADSESQAS LQDLGLGVLK AKEADEGGRA TSGSARKGKR QHSSPQNPLL DCSLCGKVFS SASSLSKHYL THSQERKHVC KICSKAFKRQ DHLTGHMLTH QKTKPFVCIE QGCSKSYCDY RSLRRHYEVH HGLCILKEAP PEEEACGDSP HAHESAGQPP PSSLRSLVPP EARSPGSLLP HRDLLRRIVS SIVHQKTPSP GPAPAGASDS EGRNTACPCP ASSGSSSCTP AGPHAAPAAL DTELPEEPCL PQKEPATDVF TAPNSRAAEN GAPDPPEPEP DTALLQARST AECWPEGGSV PACLPLFRGQ TVPASSQPSS HSFQWLRNLP GCPKSKGNNV FVVHKPSAVP SREGSESGPG PSSGSPSEES PPGPGGGLED ALPFPAALLR VPAEAPSDPR SASGEDDPCA PKKVKVDCDS FLCQNPGEPG LQEAQKAGGL PADASPLFRQ LFLKSQEPLV SHEQMQVFQM ITKSQRIFSH AQVAAVSSQL PAPEGKPAAL RPLQGPWPQQ PPPLAPAVDS LHAGPGNPEA EGSPARRRKT TPGVPREASP GSTRRDAKGG LKVAAVPTPL

AAPSLDPSRN PDISSLAKQL RSSKGTLDLE DIFPSTGQRQ TQLGGEEPPG ASLPGKQAPA ENGAASRITK GEKGPACSRG GGYRLLGNPR APRFSGFRKE KAKMDMCCAA SPSQVAMASF SSAGPPADPS KSKLTIFSRI QGGNIYRLPH PVKEENVAGR GNQQNGSPTD WTKPRSTFVC KNCSQMFYTE KGLSSHMCFH SDQWPSPRGK QEPQVFGTEF CKPLRQVLRP EGDRHSPPGT KKPLDPTAAA PLVVPQSIPV VPVTRHIGSM AMGQEKDGEE RDSKESSQQR KRKKRPPPST AGEPGPAGCH QSRLRSPMFL VDCLLKGLFQ CSPYTPPPML SPIREGSGVY FNTLCSTSTQ ASPDQLISSM LDQVDGSFGI CVVKDDTKIS IEPHINIGSR FQAEIPELQE RSLAGTDEHV ASLVWKPWGD MMISSETQDR VTELCNVACS SVMPGGGTNL ELALHCLHEA QGNVQVALET LLLRGPHKPR THLLADYRYT GSDVWTPIEK RLFKKAFYAH KKDFYLIHKM IQTKTVAQCV EYYYIWKKMI KFDCGRAPGL EKRVKREPEE VERTEEKVPC SPRERPSHHP TPKLKTKSYR RESILSSSPN AGSKRTPELL GSAESQGIFP CRECERVFDK IKSRNAHMKR HRLQDHVEPI IRVKWPVKPF QLKEEELGAD IGPLQW

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

Product Details

	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!
	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:	ZNF541
Alternative Name:	ZNF541 (ZNF541 Products)
Background:	Zinc finger protein 541,FUNCTION: Transcription regulator which is essential for male fertility and for the completion of meiotic prophase in spermatocytes. Regulates progression of the pachytene stage of meiotic prophase by activating the expression of genes involved in meiosis during spermatogenesis. Maintains the repression of pre-pachytene transcriptional programs, including meiotic double-strand breaks (DSB) formation genes in pachytene spermatocytes and suppresses aberrant DSB formation after mid-pachytene, thus ensuring meiosis progression. {ECO:0000250|UniProtKB:Q0GGX2}.
Molecular Weight:	145.6 kDa
UniProt:	Q9H0D2

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