

Datasheet for ABIN3096498

ZEB2 Protein (AA 1-1214) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	ZEB2
Protein Characteristics:	AA 1-1214
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZEB2 protein is labelled with Strep Tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA

Product Details

Brand:	AliCE®
Sequence:	<p>MKQPIMADGP RCKRRKQANP RRKNVVNYDN VVDTGSETDE EDKLHIAEDD GIANPLDQET</p> <p>SPASVPNHES SPHVSQALLP REEEDEIRE GGVEHPWHNN EILQASVDGP EEMKEDYDTM</p> <p>GPEATIQTAI NNGTVKNANC TSDFEYFAK RKLEERDGHV VSIEEYLQRS DTAIYPEAP</p> <p>EELSRLGTPE ANGQEENDLP PGTPDAFAQL LTCPCYCDRGY KRLTSLKEHI KYRHEKNEEN</p> <p>FSCPLCSYTF AYRTQLERHM VTHKPGTDQH QMLTQGAGNR KFKCTECGKA FKYKHHLKEH</p> <p>LRIHSGEKPY ECPNCKKRFS HSGSYSSHIS SKKCIGLISV NGRMRNNIKT GSSPNSVSSS</p> <p>PTNSAITQLR NKLENGKPLS MSEQTGLLKI KTEPLDFNDY KVLMTATHGFS GTSPFMNGGL</p> <p>GATSPLGVHP SAQSPMQHLG VGMEAPLLGF PTMNSNLSEV QKVLQIVDNT VSRQKMDCKA</p> <p>EEISKLKGYH MKDPCSQPEE QGVTSPNIPP VGLPVVSHNG ATKSIIDYTL EKVNEAKACL</p> <p>QSLTTDSRRQ ISNIKKEKLR TLIDLVTDDK MIENHNISTP FSCQFCKESF PGPIPLHQHE</p> <p>RYLCKMNEEI KAVLQPHENI VPKNAGVFVD NKALLSSVL SEKGMTSPIN PYKDHMSVLK</p>

AYYAMNMEPN SDELLKISIA VGLPQEFVKE WFEQRKVYQY SNSRSPSLER SSKPLAPNSN
PPTKDSLLPR SPVKPMSIT SPSIAELHNS VTNCDPPLRL TKPSHFTNIK PVEKLDHSRS
NTPSPLNLSS TSSKNSHSSS YTPNSFSSEE LQAEPLDSL PKQMKEPKSI IATKNKTKAS
SISLDHNSVS SSENSDEPL NLTFIKKEFS NSNNLDNKST NPVFSMNPFS AKPLYTALPP
QSAFPPATFM PPVQTSIPGL RPYPGLDQMS FLPHMAYTYP TGAATFADMQ QRRKYQRKQG
FQGELLDGAQ DYMSGLDDMT DSDSCLSRKK IKKTESGMYA CDLCDKTFQK SSSLLRHKEYE
HTGKRPHQCQ ICKKAFKHKH HLIHSRLHS GEKPYQCDKC GKRFSHSGSY SQHMNHRYSY
CKREAEEEA AEREAREKGH LEPTTELLMNR AYLQSITPQG YSDSEERESM PRDGESEKEH
EKEGEDGYGK LGRQDGDEEF EEEEESEENK SMDTDPETIR DEEETGDHSM DDSSSEDGKME
TKSDHEEDNM EDGM

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:	ZEB2
Alternative Name:	ZEB2 (ZEB2 Products)
Background:	Zinc finger E-box-binding homeobox 2 (Smad-interacting protein 1) (SMADIP1) (Zinc finger homeobox protein 1b),FUNCTION: Transcriptional inhibitor that binds to DNA sequence 5'-CACCT-3' in different promoters (PubMed:16061479, PubMed:20516212). Represses transcription of E-cadherin (PubMed:16061479). Represses expression of MEOX2 (PubMed:20516212). {ECO:0000269 PubMed:16061479, ECO:0000269 PubMed:20516212}.
Molecular Weight:	136.4 kDa
UniProt:	O60315
Pathways:	Tube Formation

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

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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