Datasheet for ABIN3075670

ZBTB16 Protein (AA 1-673) (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	ZBTB16
Protein Characteristics:	AA 1-673
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZBTB16 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MDLTKMGMIQ LQNPSHPTGL LCKANQMRLA GTLCDVVIMV DSQEFHAHRT VLACTSKMFE ILFHRNSQHY TLDFLSPKTF QQILEYAYTA TLQAKAEDLD DLLYAAEILE IEYLEEQCLK MLETIQASDD NDTEATMADG GAEEEEDRKA RYLKNIFISK HSSEESGYAS VAGQSLPGPM VDQSPSVSTS FGLSAMSPTK AAVDSLMTIG QSLLQGTLQP PAGPEEPTLA GGGRHPGVAE VKTEMMQVDE VPSQDSPGAA ESSISGGMGD KVEERGKEGP GTPTRSSVIT SARELHYGRE ESAEQVPPPA EAGQAPTGRP EHPAPPPEKH LGIYSVLPNH KADAVLSMPS SVTSGLHVQP ALAVSMDFST YGGLLPQGFI QRELFSKLGE LAVGMKSESR TIGEQCSVCG VELPDNEAVE QHRKLHSGMK TYGCELCGKR FLDSLRLRMH LLAHSAGAKA FVCDQCGAQF SKEDALETHR QTHTGTDMAV FCLLCGKRFQ AQSALQQHME VHAGVRSYIC SECNRTFPSH TALKRHLRSH TGDHPYECEF CGSCFRDEST LKSHKRIHTG EKPYECNGCG KKFSLKHQLE THYRVHTGEK PFECKLCHQR SRDYSAMIKH LRTHNGASPY QCTICTEYCP SLSSMQKHMK GHKPEEIPPD

	WRIEKTYLYL CYV **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! 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®).

Product Details

Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	ZBTB16
Alternative Name:	ZBTB16 (ZBTB16 Products)
Background:	Zinc finger and BTB domain-containing protein 16 (Promyelocytic leukemia zinc finger protein) (Zinc finger protein 145) (Zinc finger protein PLZF),FUNCTION: Acts as a transcriptional repressor (PubMed:10688654, PubMed:24359566). Transcriptional repression may be mediated through recruitment of histone deacetylases to target promoters (PubMed:10688654). May play a role in myeloid maturation and in the development and/or maintenance of other differentiated tissues. Probable substrate-recognition component of an E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (PubMed:14528312). {ECO:0000269|PubMed:10688654, ECO:0000269|PubMed:14528312, ECO:0000269|PubMed:24359566}.
Molecular Weight:	74.3 kDa
UniProt:	Q05516
Pathways:	Positive Regulation of fat Cell Differentiation

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 components needed for protein production (amino acids, cofactors, etc.) are added to produce

Application Details

	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