Datasheet for ABIN3089961

Chromosome 6 Open Reading Frame 170 (C6ORF170) (AA 1-1257) protein (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	Chromosome 6 Open Reading Frame 170 (C6ORF170)
Protein Characteristics:	AA 1-1257
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	Strep Tag
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MAHFSSEDQA MLQAMLRRLF QSVKEKITGA PSLECAEEIL LHLEETDENF HNYEFVKYLR QHIGNTLGSM IEEEMEKCTS DRNQGEECGY DTVVQQVTKR TQESKEYKEM MHYLKNIMIA VVESMINKFE EDETRNQERQ KKIQKEKSHS YRTDNCSDSD SSLNQSYKFC QGKLQLILDQ LDPGQPKEVR YEALQTLCSA PPSDVLNCEN WTTLCEKLTV SLSDPDPVFS DRILKFCAQT FLLSPLHMTK EIYTSLAKYL ESYFLSRENH IPTLSAGVDI TNPNMTRLLK KVRLLNEYQK EAPSFWIRHP EKYMEEIVES TLSLLTVKHN QSHVVSQKIL DPIYFFALVD TKAVWFKKWM HAHYSRTTVL RLLETKYKSL VTTAIQQCVQ YFEMCKTRKA DETLGHSKHC RNKQKTFYYL GQELQYIYFI HSLCLLGRLL IYKQGRKLFP IKLKNKKGLV SLIDLLVLFT QLIYYSPSCP KMTSAAHSEN YSPASMVTEV LWILSDQKEC AVECLYNNIV IETLLQPIHN LMKGNEASPN CSETALIHIA GILARIASVE EGLILLLYGA NMNSSEESPT GAHIIAQFSK KLLDEDISIF SGSEMLPVVK GAFISVCRHI YSTCEGLQVL ITYNLHESIA KAWKKTSLLS ERIPTPVEGS DSVSSVSQES

QNIMAWEDNL LDDLLHFAAT PKGLLLLQRT GAINECVTFI FNRYAKKLQV SRHKKFGYGV LVTRVASTAA GGIALKKSGF INELITELWS NLEYGRDDVR VTHPRTTPVD PIDRSCQKSF LALVNLLSYP AIYELVRNQD LPNKTEYSLR EVPTCVIDII DRLIILNSEA KIRSLFNYEQ SHIFGLRDFI IDGLSVERNH VLVRINLVGG PLERILPPRL LEKSDNPYPW PMFSSYPLPN CYLSDITRNA GIKQDNDLDK LLLCLKISDK QTEWIENCQR QFCKMMKAKP DIISGEALIE LLEKFVLHLT ESPSECYFPS VEYTATDANV KNESLSSVQQ LGIKMTVRYG KFLSLLKDGA ENDLTWVLKH CERFLKQQQT SIKSSLLCLQ GNYAGHDWFV SSLFMIMLGD KEKTFQFLHQ FSRLLTSAFL WLPRLHISSY LPNDTVESGI HPVYFCSTHY IEMLLKAELP LVFSAFHMSG FAPSQICLQW ITQCFWNYLD WIEICHYIAT CVFLGPDYQV YICIAVFKHL QQDILQHTQT QDLQVFLKEE ALHGFRVSDY FEYMEILEQN YRTVLLRDMR NIRLQST

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:	Chromosome 6 Open Reading Frame 170 (C6ORF170)
Alternative Name:	TBC1D32 (C6ORF170 Products)
Background:	Protein broad-minded (TBC1 domain family member 32),FUNCTION: Required for high-level Shh responses in the developing neural tube. Together with CDK20, controls the structure of the primary cilium by coordinating assembly of the ciliary membrane and axoneme, allowing GLI2 to be properly activated in response to Shh signaling (By similarity). {ECO:0000250}.
Molecular Weight:	144.8 kDa
UniProt:	Q96NH3

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