

Datasheet for ABIN3095610
SNAPC4 Protein (AA 1-1469) (Strep Tag)

1 Image

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Overview

Quantity:	1 mg
Target:	SNAPC4
Protein Characteristics:	AA 1-1469
Origin:	Human
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SNAPC4 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Sequence:	MDVDAEREKI TQEIKELERI LDPGSSGSHV EISESSLESD SEADSLPSED LDPADPPISE EERWGEASND EDDPKDKTLP EDPETCLQLN MYYQEVIQEK LAEANLLLAQ NREQQEELMR DLAGSKGTKV KDGKSLPPST YMGHFMKPYF KDKVTGVGPP ANEDTREKAA QGIKAFEELL VTKWKNWEKA LLRKSVVSDR LQRLQLPKLL KLEYLHQKQS KVSSELERQA LEKQGREAOK EIQDINQLPE EALLGNRLDS HDWEKISNIN FEGSRSAEEI RKFQWQNSEHP SINKQEWSRE EEERLQAIQA AHGHLEWQKI AEELGTSRSA FQCLQKFQQH NKALKRKEWT EEEDRMLTQL VQEMRVGSHI PYRRIVYYME GRDSMQLIYR WTKSLDPGLK KGYWAPEEDA KLLQAVAKYG EQDWFKIREE VPGRSDAQCR DRYLRRRLHFS LKKGRWNLKE EEQLIELIEK YGVGHWAKIA SELPHRSGSQ CLSKWKIMMG KKQGLRRRRR RARHSVRWSS TSSSGSSSSS SGGSSSSSSS SSEDEPEQA QAGEGDRALL SPQYMVPDMD LWVPAQSTS QPWRGGAGAW LGGPAASLSP PKGSSASQGG SKEASTTAAA PGEETSPVQV PARAHGPVPR SAQASHSADT RPAGAEKQAL EGGRLLTVP VETVLRVLRA NTAARSCTQK EQLRQPPLPT SSPGVSSGDS VARSHVQWLR
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HRATQSGQRR WRHALHRRLL NRRLLAVTP WVGDVVPCT QASQRPAVVQ TQADGLREQL
QARLASTPV FTLFTQLFHI DTAGCLEVVR ERKALPPRLP QAGARDPPVH LLQASSSAQS
TPGHLFPNVP AQEASKSASH KGSRRASSR VERTLPQASL LASTGPRPKP KTVSELLQEK
RLQEARAREA TRGPVVLPSQ LLVSSSVILQ PPLPHTPHGR PAPGPTVLNV PLSGPGAPAA
AKPGTSGSWQ EAGTSAKDKR LSTMQALPLA PVFSEAEGTA PAASQAPALG PGQISVSCPE
SGLGQSQAPA ASRKQGLPEA PPFLPAAPSP TPLPVQPLSL THIGGPHVAT SVPLPVTWVL
TAQGLLPVPV PAVVSLPRPA GTPGPAGLLA TLLPPLTETR AAQGPRAPAL SSSWQPPANM
NREPEPSCRT DTPAPPHTAL SQSPAEDGS VAFVPGEAQV AREIPEPRTS SHADPPEAEP
PWSGRLPAFG GVIPATEPRG TPGSPSGTQE PRGPLGLEKL PLRQGPKEKG ALDLEKPPLP
QPGPEKGALD LGLLSQEGEA ATQQWLGGQR GVRVPLLGSR LPYQPPALCS LRALSGLLH
KKALEHKATS LVVGGEAERP AGALQASLGL VRGQLQDNPA YLLLRARFLA AFTLPALLAT
LAPQGVRTTL SVPSRVGSES EDEDLLSELE LADRDGQPGC TTATCPIQGA PDSGKCSASS
CLDTSNDPDD LDVLRTRHAR HTRKRRRLV

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 by multi-step, protein-specific process to ensure correct folding and modification.
- 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 will ensure that you receive a correctly folded 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

Product Details

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 in several dilutions and is measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®): 1. In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. Eluate fractions are analyzed by SDS-PAGE. 2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Endotoxin Level:	Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)
Grade:	Crystallography grade

Target Details

Target:	SNAPC4
Alternative Name:	SNAPC4 (SNAPC4 Products)
Background:	SnRNA-activating protein complex subunit 4 (SNAPc subunit 4) (Proximal sequence element-binding transcription factor subunit alpha) (PSE-binding factor subunit alpha) (PTF subunit alpha) (snRNA-activating protein complex 190 kDa subunit) (SNAPc 190 kDa subunit),FUNCTION: Part of the SNAPc complex required for the transcription of both RNA polymerase II and III small-nuclear RNA genes. Binds to the proximal sequence element (PSE), a non-TATA-box basal promoter element common to these 2 types of genes. Recruits TBP and BRF2 to the U6 snRNA TATA box. {ECO:0000269 PubMed:12621023, ECO:0000269 PubMed:9418884}.

Target Details

Molecular Weight: 159.4 kDa

UniProt: [Q5SXM2](#)

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 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. If you have a special request, please contact us.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: Unlimited (if stored properly)



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process