

Datasheet for ABIN3095305

SEC24C Protein (AA 1-1094) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	SEC24C
Protein Characteristics:	AA 1-1094
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEC24C protein is labelled with Strep Tag.
Application:	Western Blotting (WB), ELISA, SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	<p>MNVNQSVPPV PPFQGPQPIY PGYHQSSYGG QSGSTAPAIP YGAYNGPVPG YQQTTPQGMS</p> <p>RAPPSSGAPP ASTAQAPCGQ AAYGQFGQGD VQNGPSSTVQ MQLPGSQPF GSPLAPVGNQ</p> <p>PPVLQPYGPP PTSAQVATQL SGMQISGAVA PAPPSSGLGF GPPTSLASAS GSFPNSGLYG</p> <p>SY PQGQAPPL SQAQGHPIQ TPQRSAPSQA SSFTPPASGG PRLPSMTGPL LPGQSFGGPS</p> <p>VSQPNHVSSP PQALPPGTQM TGPLGPLPPM HSPQQPGYQP QQNGSFGPAR GPQSNYGGPY</p> <p>PAAPTFGSQP GPPQQLPPKR LDPDAIPSP QVIEDDRNNR GTEPFVTGVR GQVPPLVTTN</p> <p>FLVKDQGNAS PRYIRCTSYN IPCTSDMAKQ AQVPLAAVIK PLARLPPEEA SPYVVDHGES</p> <p>GPLRCNRCKA YMCPFMQFIE GGRRFQCCFC SCINDVPPQY FQHL DHTGKR VDAYDRPELS</p> <p>LGSYEFLATV DYCKNNKFPS PPAFIFMIDV SYNAIRTGLV RLLCEELKSL LDFLPREGGA</p> <p>EESAIRVG FV TYNKVLHFYN VKSSLAQPQM MVVSDVADMV VPLLDGFLVN VNESRAVITS</p> <p>LLDQIPEMFA DTRETETVFV PVIQAGMEAL KAAECAGKLF LFHTSLPIAE APGKLKNRDD</p>

RKLINTDKEK TLFQPQTGAY QTLAKECVAQ GCCVDLFLFP NQYVDVATLS VVPQLTGGSV
YKYASFQVEN DQERFLSDLR RDVQKVVGFD AVMRVRTSTG IRAVDFFGAF YMSNTTDVEL
AGLDGDKTVT VEFKHDDRLN EESGALLQCA LLYTSCAGQR RLRIHNLALN CCTQLADLYR
NCETDTLINY MAKFAYRGVL NSPVKAVRDT LITQCAQILA CYRKNCASPS SAGQLILPEC
MKLLPVYLNC VLKSDVLQPG AEVTTDDRAY VRQLVTSMDV TETNVFFYPR LLPLTKSPVE
STTEPPAVRA SEERLSNGDI YLLENGLNLF LWVGASVQQG VVQSLFSVSS FSQITSGLSV
LPVLNPLSK KVRGLIDSLR AQRSRYMKLT VVKQEDKMEM LFKHFLVEDK SLSGGASYVD
FLCHMHKEIR QLLS

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:

Product Details

- 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: SEC24C

Alternative Name: SEC24C ([SEC24C Products](#))

Background: Protein transport protein Sec24C (SEC24-related protein C),FUNCTION: Component of the coat protein complex II (COPII) which promotes the formation of transport vesicles from the endoplasmic reticulum (ER). The coat has two main functions, the physical deformation of the endoplasmic reticulum membrane into vesicles and the selection of cargo molecules for their transport to the Golgi complex (PubMed:10214955, PubMed:17499046, PubMed:18843296, PubMed:20427317). Plays a central role in cargo selection within the COPII complex and together with SEC24D may have a different specificity compared to SEC24A and SEC24B (PubMed:17499046, PubMed:20427317, PubMed:18843296). May more specifically package GPI-anchored proteins through the cargo receptor TMED10 (PubMed:20427317). May also be specific for IxM motif-containing cargos like the SNAREs GOSR2 and STX5 (PubMed:18843296). {ECO:0000269|PubMed:10214955, ECO:0000269|PubMed:17499046, ECO:0000269|PubMed:18843296, ECO:0000269|PubMed:20427317}.

Molecular Weight: 118.3 kDa

UniProt: [P53992](#)

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

Application Details

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. 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