

Datasheet for ABIN3135232

SYNRG Protein (AA 1-1306) (Strep Tag)



[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	SYNRG
Protein Characteristics:	AA 1-1306
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SYNRG protein is labelled with Strep Tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA

Product Details

Brand:	AliCE®
Sequence:	<p>MALRPGAGAS GAAGAGAGPG GAGSFMFPVA GGMRPPQAGL IPMQQQGFPM VSVMQPNMQG</p> <p>MMGMNYSSQM SQGPIAMQAG IPMGMPAAG VPFLGQPPFL SMRPAGPQYT PDMQKQFAEE</p> <p>QQRFEQQQK LLEEERKRRQ FEEQKQKLRL LSSVKPKTGE KNRDDALEAI KGNLDGFSRD</p> <p>AKMHPTPASH PKKQGPSLEE KLLVSCDVSA SGQEHKLNT PDAGHKAIVP GSSKNCPGLM</p> <p>AHNRGAVDGC VSGPASAEAE KTS DQTLSEK ESGVGVFSPQ DPAQSRMPPW IYNESLVPDA</p> <p>YKKILETTMT PTGIDTAKLY PILMSSGLPR ETLGQIWALA NRTTPGRLTK EELYTVLAMV</p> <p>AVTQRGV PAM SPDALSQFPA APIPTLSGFP MTLPTVVSQP TAMPSGPTGS MPLTLGQPIM</p> <p>GINLVGPVGG AAAPTSSGFM PAYPSNQVGK TEEDDFQDFQ DASKSGSIDD SFTDFQEMPA</p> <p>SSKTSNSQHG NSAPSLIPF PGTKASTDKY AVFKGISTDK PSENPA SFGE SGD KYS AFRE</p> <p>LEQTDSKPL GESFAEFRST GTDDGFTDFK TADSVSPLEP PTKDTFPSAF ASGAAQQTQT</p> <p>QVKTPLNLED LDMFSSVDCS GEKQVPFSAT FSTAKSVSTR PQPAGSAAAS AALASTKTSS</p>

LADDFGEFNL FGEYSNPASA GEQDDFADFM AFGNSSISSE PKASDKYEAL REEVSPSPLS
SSTVEGAQHP PAAATKYDVF KQLSLEGAGL AMEEFKENTS STKSEDDFAD FHSSKFSSTS
SDKSLGEKAV AFRHAKEDSS SVKSLDLPSI GGSSVGKEDS EDALSVQFDM KLADVGGDLK
HVMSDSSLDL PTVSGQHPPA ADTEDLSCAA FGSCSSHFTV STLTSCWEWD RADALQGRKL
SPFVLSAGSR SFSATSNLHT KEISFGSSEN ITMSSLKSGS ALASEDALPE TAFPASFASFK
DMMPQTTEQK EFESGDFQDF TRQDMPTVDR SQETSCPSA SSVASHETPK EGADDFGEFQ
SEKSKISKFD FLVANSQSKM KSSEEMIKSE LATFDLSVQG SHKRSLSLGD KEISRSSPSP
ALEQPFRDRS NTLSERAALP VIRDKYKDLT GEVEENERYA YEWQRCLGSA LDVIKKANDT
LNGISSSAVC TEVIQSAQGM EYLLGVVEVY RVTKRVELGI KATAVCSEKL QLLKIDIDKV
WNNLIGFMSL ATLTPDENSL DFSSCMLRPG IKNAQELACG VCLLNVDPRS RKEETPAEEQ
PKKAFNSETD SFKLAYGGHQ YHASCANFWI NCVEPKPPGL LLPDLL

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 -

Product Details

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

Target Details

Target:	SYNRG
Alternative Name:	Synrg (SYNRG Products)
Background:	Synergina gamma (AP1 subunit gamma-binding protein 1) (Gamma-synergina),FUNCTION: Plays a role in endocytosis and/or membrane trafficking at the trans-Golgi network (TGN) (By similarity). May act by linking the adapter protein complex AP-1 to other proteins (By similarity). Component of clathrin-coated vesicles (By similarity). Component of the afitphilin/p200/gamma-synergina complex, which plays roles in AP1G1/AP-1-mediated protein trafficking including the trafficking of transferrin from early to recycling endosomes, and the membrane trafficking of furin and the lysosomal enzyme cathepsin D between the trans-Golgi network (TGN) and endosomes (By similarity). {ECO:0000250 UniProtKB:Q9UMZ2}.
Molecular Weight:	139.6 kDa
UniProt:	Q5SV85

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

Application Details

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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