



[Go to Product page](#)

Datasheet for ABIN3095773  
**SYNPO2L Protein (AA 1-977) (Strep Tag)**

### Overview

Quantity:	1 mg
Target:	SYNPO2L
Protein Characteristics:	AA 1-977
Origin:	Human
Source:	Tobacco ( <i>Nicotiana tabacum</i> )
Protein Type:	Recombinant
Purification tag / Conjugate:	This SYNPO2L protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Sequence: MGAEEEVLVT LSGGAPWGFR LHGGAEQRKP LQVSKIRRRS QAGRAGLRER DQLLAINGVS  
CTNLSHASAM SLIDASGNQL VLTVQRLADE GPVQSPSPHE LQVLSPLSPL SPEPPGAPVP  
QPLQPGSLRS PPDSEAYIGE TDSADGPAT QEKPRRPRRR GPTRPTPPGA PPDEVYLSDS  
PAEPAPTIPG PPSQGDSRVS SPSWEDGAAL QPPPAEALLL PHGPLRPGPH LIPMVGVPVPH  
PVAEDLTTY TQKAKQAKLQ RAESLQEKSI KEAKTKCRTI ASLLTAAPNP HSKGVL MFKK  
RRQRAKKYTL VSFCAAAGTG AEEEDGVPPT SESELDEEAF SDARSLTNQS DWDSPYLDME  
LARAGSRASE GQGSGLGGQL SEVSGRQVQL FEQQRQRADS STQELARVEP AAMLNGLGLQ  
SPPRAQSAPP EAAVLPPSPL PAPVASPRPF QPGGGAPTPA PSIFNRSARP FTPGLQGQRP  
TTTSVIFRPL APKRANDSLG GLSPAPPPFL SSQGPTPLPS FTSGVPSHAP VSGSPSTPRS  
SGPVTATSSL YIPAPSRPVT PPGAPEPPAP PSAAAMTSTA SIFLSAPLRP SARPEAPAG  
PGAPEPPSAR EQRISVPAAR TGILQEARRR GTRKQMFPRG KEETKNSPNP ELLSLVQNLNLD  
EKPRAGGAES GPEEDALSLG AEACNFMQPV GARSYKTLPH VTPKTPPPMA PKTTPPPMTPK

TPPPVAPKPP SRGLLDGLVN GAASSAGIPE PPRLQGRGGE LFAKRQSRAD RYVVEGTPGP  
GLGPRRSPS PTPSLPPSWK YSPNIRAPP IAYNPLLSPF FPQAARTLPK AQSQGPRATP  
KQGKALDFM RHQPYQLKTA MFCFDEVPT PGPIASGSPK TARVQEIRRF STPAPQPTAE  
PLAPTVLAPR AATTLDEPIW RTELASAPVP SPAPPPEAPR GLGASPSSCG FQVARPRFSA  
TRTGLQAHVW RPGAGHQ

**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 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

## Product Details

---

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®): <ol style="list-style-type: none"><li>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.</li><li>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.</li></ol>
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)

## Target Details

---

Target:	SYNPO2L
Alternative Name:	SYNPO2L ( <a href="#">SYNPO2L Products</a> )
Background:	Synaptopodin 2-like protein,FUNCTION: Actin-associated protein that may play a role in modulating actin-based shape. {ECO:0000250}.
Molecular Weight:	102.5 kDa
UniProt:	<a href="#">Q9H987</a>

## 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 <i>Nicotiana tabacum</i> 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. 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)