

Datasheet for ABIN7564821
SYNPO2 Protein (AA 1-1087) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SYNPO2
Protein Characteristics:	AA 1-1087
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SYNPO2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Synpo2 Protein expressed in mammalien cells.
Sequence:	<p>MGTGDFICIS MTGGAPWGFR LQGGKEEQP LQVAKIRSQS KASGSLREG DEVVSINGNP CADLTYPEVI KLMEGITDSL HLLVKRPSSG TSETLDSESE TTNHQHLTHE GPMESTTLQI QQATETQSED FFLAPVQTKV PLTEDQSNOW GYAECPKKEEQ APPMLGSQEG HLVEEVILRQ KAEAGQPGHV VELQLSLSKE RHQCTSGPIV TLQGNKSTS PDPDWSSQLE RTVHINSIPA PEKADTSLTS STSSGRELRV IQGRDPGGAG LPQVEVILDC SDRLKAECCR LQTGRGCVAS PVEGGRSEAP PSLVSFAVSS EGTEHGEDQR SGKDQSRPHK HRARHARLRR SESLSEKQVK EAKSKCKSIA LLLTDAPNPN SKGVLMFKKR RRRARKYTLV SYGTGELERE EEEEEEQEAG DKDEISEVAF LGTSESEVDE ELLSDVDDNT QVNFWDWDSG LVDIEKRLNR GDKMEMLPDT TGKGMALFAK RRERMEQFTA QNEEEKTGGM AGGGPDALQT DGLRTMTSYQ RKEESVRMQS SVSESSFQMG RSLASVPQQN GFSGVSETAG AQRMFPMNRT AKPFLGSMNQ PAAPFSPTRS VTSPISDFPA PPPYSAVSPP PEAFSRGVSS PVAGPAQPPP WPQPAPWSQP AFYDSSEQIA</p>

Product Details

SRDERIAVPA KRTGILQEAK RRGTTKPMFT FKETKVSPNP ELLSLLQNAE GKRGTGGDSG
PEEDYLSLGA EACNFMQSSA KQKTPPPVAP KPAVKSPSSS QPVAPVSPVW SPGVAPAQRP
AFSTSNPPNP PQVTAVSSIK IAQPAAPPAR PASALNLAGP FKGPQAVVVS HNYTPKPSAP
TPLVNAAPAG AGGPSNELPG MSGKGAQLFA KRQSRMEKYV VSDSTVQAHT VRAQSPTPSL
PASWKYSSNV RAPPVAYNP IHSPSYPLAA IKSQPPGAQA SKTSKKGK PLNTLDVMKH
QPYQLNASLF TFQPPDSKDG LPQKSTVKVS SAPAMKQALP PRQANVGSPT NAQASSVYSV
PAYTSQPNFF AAEATSPVSA SPVPVSVPTS PKQESTSTSY FVAPRPKFSK KKSQVTVQVW
KPSVVEE **Sequence without tag. The proposed Purification-Tag is based on experiences 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 to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: SYNPO2

Alternative Name: Synpo2 ([SYNPO2 Products](#))

Background: Synaptopodin-2 (Myopodin),FUNCTION: Has an actin-binding and actin-bundling activity (PubMed:11673475). Can induce the formation of F-actin networks. At the sarcomeric Z lines is proposed to act as adapter protein that links nascent myofibers to the sarcolemma via ZYX and

Target Details

may play a role in early assembly and stabilization of the Z lines. Involved in autophagosome formation. May play a role in chaperone-assisted selective autophagy (CASA) involved in Z lines maintenance in striated muscle under mechanical tension, may link the client-processing CASA chaperone machinery to a membrane-tethering and fusion complex providing autophagosome membranes. Involved in regulation of cell migration. May be a tumor suppressor (By similarity). {ECO:0000250|UniProtKB:D4A702, ECO:0000250|UniProtKB:Q9UMS6, ECO:0000269|PubMed:11673475}.

Molecular Weight: 116.5 kDa

UniProt: [Q91YE8](#)

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.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months