

Datasheet for ABIN7564533
SYNPO Protein (AA 1-929) (His tag)



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Overview

Quantity:	1 mg
Target:	SYNPO
Protein Characteristics:	AA 1-929
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SYNPO protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Synpo Protein expressed in mammalian cells.
Sequence:	MLGAHFPPPP LGASEGRAAP CTFQIPDGSY RCLALEAEES SSEDGLQGEV RLVDLEEEGT SQSRANHGTP PLSRAPAIQ PSSCHREARG GFQRSDRPSH DWDVVQARKV MTASGSSSPV PRVAQKPALG RSTSFTENDL KEAKARSQQI AAQLTTPPSS NSRGVQLFNR RRQRVNEFTL ESRGQRSPKL NQEALQTGRP LSPIGHAPGP SVKPTSPSKP GSPKHPSPQS PSRGVAGHIM EGYSEEASLL RHLEKVASEE EEVPLVVYLK ENAALLTANG LHLSQSRETQ QSSPNPPDTE VPSPAADINQ NPSSPNATLT TLASSSHHSQ PTADINQNPP AAITPVPQNS SQAQCSPNGT LDSKPGTLCA DDGQSPVPAE EVRSSILLID KVSAPPSAAS TFSREATPLS SSGPPAADLM SSLLIDMQP STLVAPAEQE VPGHVAVTTP TKVYSEVHLT LAKPASVVRN TARPFGIQSP GTSQIEQSPM MGRRQFGEKA WAPPASSMAD RSPQPQRHIM SRSPMVERRL LGQRSPVLER RPLGNFTPPP TYAETLSTAP VASRVRSPPS YSTLYPSSDP KPSHLKGQVA PANKTGILEE SMARRGSRKS MFTFVEKPKV TPNPDLLDLV QTADEKRRQR DHGEVGMEEE PFALGAEASN FQQEPIARDR ASPAAEEAV PEWASCLKSP RIQAKPKPKP NQNLSEASGK GAELYARRQS

Product Details

RMEKYVIESS GHAELARCPS PTMSLPSSWK YTTNAPGGFR VASLSPARTP PASLYHGYLP
ENGLVRPEPT KQQPYQMRPS LYALSPVKEP AKASSRATSS RTPSRTVSPR AASPAKPSSL
DLVPNLPRAG LPPSPALPRP SRSSPGLYTA PVQDSLQPTA VSPTYSSDIS PVSPSRAWSP
RAKQAPRPSF STRNAGIEAQ VWKPSFCFK **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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: SYNPO

Alternative Name: Synpo ([SYNPO Products](#))

Background: Synaptopodin,FUNCTION: Actin-associated protein that may play a role in modulating actin-based shape and motility of dendritic spines and renal podocyte foot processes. Seems to be essential for the formation of spine apparatuses in spines of telencephalic neurons, which is involved in synaptic plasticity. {ECO:0000269|PubMed:12928494}.

Target Details

Molecular Weight: 99.6 kDa

UniProt: [Q8CC35](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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